Welcome

Congratulations! As the proud owner of a state-of-the-art Motorola cellular phone, product superiority is yours.

All Motorola cellular phones are designed and manufactured to meet Motorola's rigorous specifications and world-class quality standards. During development, our laboratory testing team took the StarTAC II™ cellular phone through its paces. They cooked it, steamed it, shook it, shocked it, dusted it and dropped it—and the phone still worked! We are confident that the one you purchased will meet your own exacting standards.

Thank you for choosing Motorola and, by all means, enjoy your StarTAC II™ phone!

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What's New?

What would you say to a telephone that's smaller than your wallet? Hard to believe… if you hadn't already seen it with your own eyes. The company that brought you the world's first commercially available portable cellular telephone has done it again!

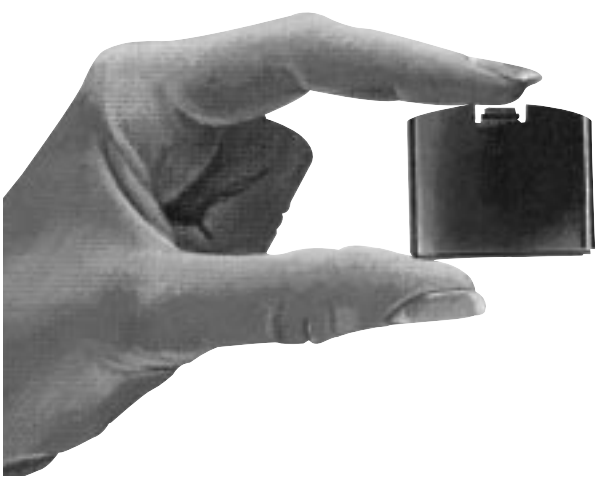
Motorola is proud to present the first generation of wearable phones. Breakthrough technologies bring you a phone so innovative it challenges the status quo. The StarTAC II cellular phone is 23% lighter than our previous record holder, and a full 45% smaller! Just look what's in store:

Miniaturized Batteries

StarTAC II phone batteries are more portable than ever.…

Get the same talk-time with less weight than previous Motorola cellular phone batteries.

Easily carry a spare battery—or two!

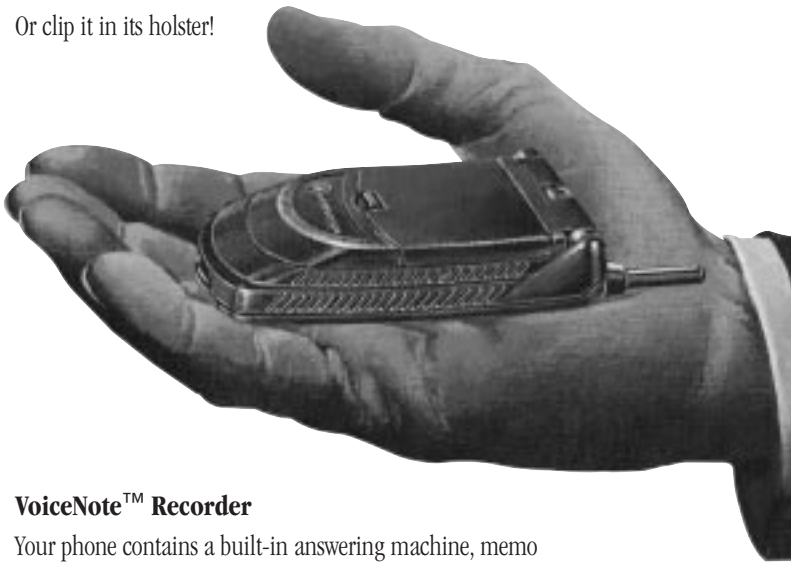


Incredible Portability

Your StarTAC II phone is so small and light, you'll always want it with you.

Keep it in your purse or slip it in your pocket!

Or clip it in its holster!



VoiceNote™ Recorder

Your phone contains a built-in answering machine, memo record feature and call record feature!

Smart Button

Storing information with the StarTAC II phone is a breeze....

Conveniently located for one-handed operation!

Recall numbers, place calls, end calls and more. The Smart Button does it all!

Tip: *If you are familiar with other Motorola cellular phones, you can use many of the same key sequences with your StarTAC II phone.* *See page 15 for more details.*

Highlights

As one of the most sophisticated cellular phones around, your StarTAC II phone offers exceptional features that make life
easier, more organized and more fun! This small miracle of modern technology can help you . . .

- built in answering machine, memo record and call record features with VoiceNote™ function.
- receive calls discreetly with the VibraCall™ function.
- know when to charge with the Dedicated Battery Level Indicator.
- read more information on the two line display.
- make calls in a flash with the Turbo Dial™ function.
- charge on the go with the Internal Rapid Charger and an AC Adapter or Cigarette Lighter Adapter.
- navigate phone features with a user-friendly icon-driven menu interface.
- enjoy the convenience of Hands-Free operation with the Headset Jack.
- remember phone numbers with the internal Phone Book.
- monitor your calls with Displayed and Audible Call Timers.
- reduce roaming with two-system registration.

As you explore the StarTAC II phone, you will discover many more convenient and time-saving features that help you stay in touch with style. A number of accessory options are also available to tailor your cellular system to your individual needs, including special accessories for your car, travel accessories, battery chargers that will get you going in a

Safety Information

Important

Read this information before using your wearable cellular telephone.

First introduced in 1984, the hand-held portable cellular telephone is one of the most exciting and innovative electronic products ever developed. With it you can stay in contact with your office, your home, emergency services, and others.

For the safe and efficient operation of your phone, observe these guidelines.

Your cellular telephone is a radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) energy. The phone operates in the frequency range of 824 MHz to 894 MHz and employs commonly used frequency modulation (FM) techniques. When you use your phone, the cellular system handling your call controls the power level at which your phone transmits. The power level can range from 0.006 of a watt to 0.6 of a watt.

Exposure to Radio Frequency Energy

In 1991, the Institute of Electrical and Electronics Engineers (IEEE), and in 1992, the American National Standards Institute (ANSI), updated the 1982 ANSI Standard for safety levels with respect to human exposure to RF energy. Over 120 scientists, engineers and physicians from universities, government health agencies and industry, after reviewing the available body of research, developed this updated Standard. In March, 1993, the U.S. Federal Communications Commission (FCC) proposed the adoption of this updated Standard.

The design of your phone complies with this updated Standard. Of course, if you want to limit RF exposure even further than the updated ANSI Standard, you may choose to control the duration of your calls and operate your phone in the most power efficient manner.

Safety Information

Efficient Phone Operation

For your phone to operate at the lowest power level, consistent with satisfactory call quality, please observe the following guidelines:

If your phone has an extendible antenna, extend it fully. Some models allow you to place a call with the antenna retracted. However, your phone operates more efficiently with the antenna fully extended. Hold the phone as you would any other telephone. While speaking directly into the mouthpiece, position the antenna up and over your shoulder.

Do not hold the antenna when the phone is "IN USE." Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed.

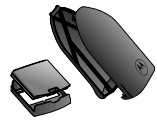
Antenna Care and Replacement

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Replace a damaged antenna immediately. Consult your manual to see if you may change the antenna yourself. If so, use only a manufacturer approved antenna. Otherwise, take your phone to a qualified service center for repair.

Use only the supplied or approved antenna. Non-approved antennas, modifications, or attachments could impair call quality, damage the phone, and violate FCC regulations.

Safety Information

Batteries



Caution: All batteries can cause property damage, injury or burns if a conductive material, such as jewelry, keys or beaded chains, touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside your pocket, purse, or other container with metal objects. To protect against a short circuit when the battery is detached from the phone, your batteries are packed with a protective battery cover; please use this cover for storing your batteries when not in use (see pages 16-17).

Driving

Check the laws and regulations on the use of cellular telephones in the areas where you drive. Some jurisdictions prohibit your using a cellular telephone while driving a vehicle. Even if your jurisdiction does not have such a law, we strongly suggest that, for safety reasons, the driver use extreme caution when operating the cellular telephone while the vehicle is in motion. Always obey them. Also, when using the phone while driving, please:

- give full attention to driving,
- use hands-free operation, if available, and
- pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF energy. However, RF energy from cellular telephones may affect inadequately shielded electronic equipment.

RF energy may affect improperly installed or inadequately shielded electronic operating and entertainment systems

Electronic Devices *(continued)*

in motor vehicles. Check with the manufacturer or its representative to determine if these systems are adequately shielded from external RF energy. You should also check with the manufacturer of any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices (such as pacemakers, hearing aids, etc.) to determine if they are adequately shielded from external RF energy.

Turn your phone OFF in health care facilities when any regulations posted in the areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Aircraft

Turn your phone OFF before boarding any aircraft.

- Use it on the ground only with crew permission.
- Do not use it in the air.

To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent interference with cellular systems, FCC regulations prohibit using your phone while the plane is in the air.

Children

Do not allow children to play with your phone. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna for example). Children also could damage the phone, or make calls that increase your telephone bills.

Safety Information

Blasting Areas

To avoid interfering with blasting operations, turn your unit OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Construction crews often use remote control RF devices to set off explosives.

Potentially Explosive Atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Do not transport or store flammable gas, liquid or explosives in the compartment of your vehicle which contains your phone or accessories.

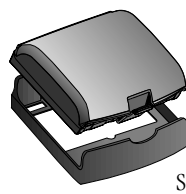
Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Package Content Options

The StarTAC II phone comes equipped with a standard battery and an AC adapter to get you up and running. A whole new line of accessory options, now smaller and lighter than ever, can customize your cellular package for maximum performance and portability.

StarTAC II Personal Cellular Telephone

Slim Main Battery
with Battery Cover



Standard Main Battery
with Battery Cover

Standard Auxiliary Battery
with Battery Cover

Slim Auxiliary Battery
with Battery Cover

Package Content Options

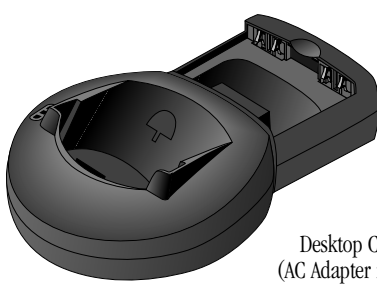
Holster

Cigarette Lighter Adapter

AC Adapter

Note: The detachable plug assembly included with your package can only be used for this power supply. Do not plug it into any wall outlet without the power supply.

Headset



Desktop Charger
(AC Adapter required)

Your phone and accessories may not look exactly as pictured above.

Phone Overview

Illustration Reference

(inside front cover)

Retractable Antenna Extend for best performance.

Earpiece Ultra-compact phone speaker.

Headset Jack Provides a connection for an optional headset.

Status Indicators

- IU (In Use)—Flashes when a call is in progress.
- NS (No Service)—Tells you the phone is beyond the range of a cellular service area. When this indicator is lit, calls cannot be placed or received.
- RM (Roam)—Lets you know when your phone is accessing cellular service outside your home system.

Signal Strength Indicator Indicates the strength of the signal your phone is receiving. The stronger the signal, the better your chances of placing and receiving calls successfully.

Battery Level Indicator Tells you the amount of charge left in your battery.

Alphanumeric Display (Two Line)
Displays your input from the keypad, information recalled from memory, help and other messages.

Menu Icons As you move through the menu, the icons flash to indicate the selected feature:

- Phone Book lets you store and retrieve numbers.
- Call Timers can monitor the length of your calls.
- Tone Controls adjust your phone's tones.
- Lock/Security features prevent unauthorized access.
- Phone Options can be set to your specifications.
- Digital Message provides access to digital messages and VoiceNote™ messages.

Phone Overview

Volume Keys

The upper and lower volume keys can adjust keypad, earpiece and ringer volume. They also scroll through memory entries and menu features.

Smart Button

The Smart Button can recall information from memory, place calls, end calls, select menu features and toggle features ON and OFF. The symbol "⌖" in your display represents the Smart Button.

VoiceNote™ Record Button

Located on the top of the phone by the antenna, this button toggles the record function on and off.

Function Keys

PWR Turns the phone ON and OFF.

FCN Acts as a "shift" key to access the secondary functions of other keys.

RCL Recalls phone numbers from memory.

STO Stores phone numbers into memory.

CLR Clears characters from the screen.

END Ends phone calls.

SND Places or answers calls.

◀ * and # ▶ can be used to scroll through memory entries and menu features.

Accessory Connector Provides the connection for an external power supply and vehicular and data accessories.

Microphone Positioned for convenient conversation.

Illustration Reference

(inside front cover)

Battery Information

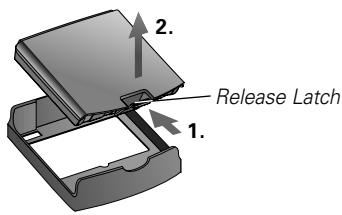
Battery Covers

Your phone's batteries are shipped in an uncharged state with protective covers on them. Save these covers; use them to carry batteries and to store batteries when they are not in use. The cover prevents objects from touching the battery terminals, thereby reducing the risk of injury or damage from a short circuit (see page 9).

To begin using your phone, just slip a battery out of its protective cover, install and charge the battery.

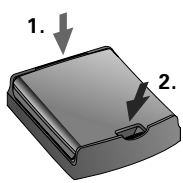
Removing the Main Battery Cover

1. Press in release latch.
2. Continue pushing in and upwards until battery slips free from its cover.



Attaching the Main Battery Cover

1. Lower the side, opposite the release latch, into the cover.
2. Slip the side with the release latch down until it clicks.

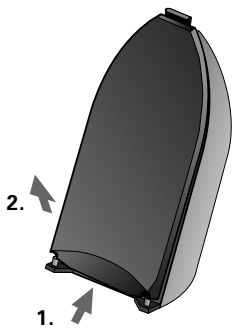


Battery Information

Battery Covers

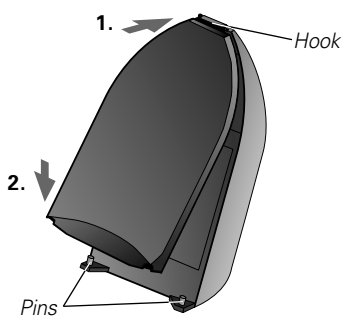
Removing the Auxiliary Battery Cover

1. Hold auxiliary battery securely with one hand. With your other hand's thumb, push up on bottom of the cover.
2. Continue to push up until the cover slides free of the pins on the bottom of the battery, then swing the cover outwards.



Attaching the Auxiliary Battery Cover

1. Slide the cover's narrow end into the small grooved hook on the top of the auxiliary battery.
2. Push cover firmly so the base of cover slides past the pins on the auxiliary battery, then release.



Battery Information

Thanks to Motorola's breakthrough technology, the StarTAC phone's batteries are smaller and weigh less than any previous Motorola cellular telephone battery. Now it's easier than ever to carry a spare or two.

Auxiliary Battery

Your StarTAC phone can use two batteries at the same time. With an auxiliary battery attached to the back of the phone, you get even more talk-time. This is in addition to the talk-time you receive from your main battery.

Now you can use any single battery or battery combination to fit your individual needs. You can even extend your talk-time by attaching an auxiliary battery at any time, without interrupting your call.

Tip: *If two batteries are attached, the phone uses the auxiliary battery first.*

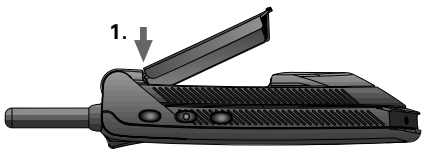
Battery Information

The Main Battery

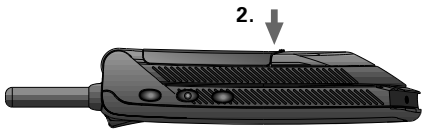
Main Battery Installation

The main battery fits into the top of your phone like a ski boot fits into a ski.

1. Place the battery's "toe" into the compartment as shown.



2. Press its "heel" down until you hear it click into place.



Main Battery Removal

To remove the main battery:

1. Turn your phone OFF.
2. Pull the release latch back toward battery and lift the battery out.

Tip: *If you have a charged auxiliary battery attached to your phone, you can remove and change your main battery during a call.*

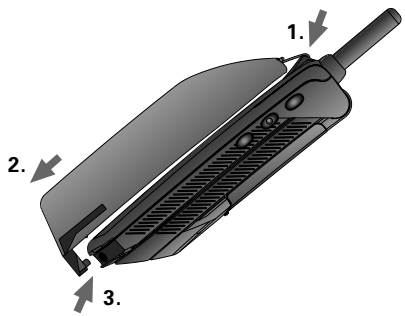
Battery Information

The Auxiliary Battery

Auxiliary Battery Installation

The auxiliary battery clips onto the back of your phone:

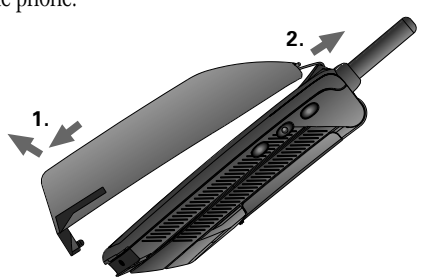
1. Place the hook located on the narrow end of the battery into the slot on the back of the phone.
2. Pull the battery downward and toward the bottom of the phone.
3. Release the battery so that it clicks upward into place. Make sure that the bottom of the battery is firmly attached.



Auxiliary Battery Removal

To remove the auxiliary battery:

1. Pull the battery down and away from the phone.
2. Lift the battery's hook out of the slot on the back of the phone.



Tip: *If you have a charged main battery attached to your phone, you can remove and change your auxiliary battery during a call.*

Battery Information

Battery Level Indicator

The three bar segments on your phone's Battery Level Indicator display the amount of charge remaining in your battery. The more segments visible, the greater the charge.

For a detailed battery level reading:

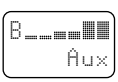
Press FCN then **press** 4 GHI

You will see:

If you are using an auxiliary battery with the main battery the display will indicate which one is in use.

You will see:

or



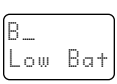
Low Battery Signals

- No bar segments will be highlighted.
- "Low Bat" will appear in the first line of the display.
- A short tone will play periodically.

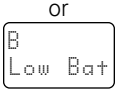
Check your display to confirm low battery signals:

Press FCN then **press** 4 GHI

You will see:



or



Battery Levels

High

Low

Battery Information

Battery Types

Your StarTAC phone can use either Lithium Ion (LiIon) or Nickel Metal Hydride (NiMH) batteries. Batteries are available in a variety of sizes: Slim, Standard, and Extra Capacity.

Main Battery Talk and Standby Times:

Slim Main Battery (Lithium Ion) E•P

up to 60 minutes talk-time **or** 14 hours standby-time

Standard Main Battery (Nickel Metal Hydride)

up to 60 minutes talk-time **or** 14 hours standby-time

Standard Extra Capacity Main Battery (Lithium Ion) E•P

up to 110 minutes talk-time **or** 22 hours standby-time

Keep in Mind: Talking on the phone uses more energy than leaving it idle; the more talk-time you use, the less standby-time you'll have and vice versa.

Battery Information

Auxiliary Batteries

With an auxiliary battery attached, you can get even more talk-time and standby-time, in addition to your main battery. You can use any auxiliary battery with any main battery to fit the way you use your phone.

Auxiliary Battery Talk and Standby Times:

Times listed in this table reflect the capacity of the auxiliary battery shown. For a complete measure of talk-time or standby-time, simply combine the time shown for your main battery to the time shown for your auxiliary battery.

Slim Auxiliary Battery (Lithium Ion) E•P

up to 110 minutes talk-time **or** 22 hours standby-time*

Standard Auxiliary Battery (Nickel Metal Hydride)

up to 120 minutes talk-time **or** 24 hours standby-time*

Extra Capacity Auxiliary Battery (Lithium Ion) E•P

up to 150 minutes talk-time **or** 35 hours standby-time*

*In addition to any main battery.

Battery Information

Using the Internal Charger

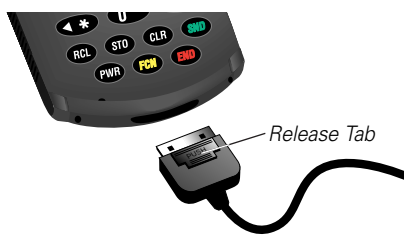
Believe it or not, there's a battery charger built right into your phone! Using either the AC adapter or cigarette lighter adapter, you can plug your phone directly into a power supply and charge attached batteries—whether the phone is ON or OFF. When the internal charger is in use, and the phone is ON, you can still place and receive calls. Just remember, talking on the phone requires energy, so charging will take more time.

1. Plug the AC adapter or cigarette lighter adapter into the accessory connector on the bottom of your phone as shown, with the release tab facing up.
2. Plug the adapter into the appropriate power source. In some cars, the ignition must be ON to use the cigarette lighter.

What you will see when charging:

While your phone is charging, regardless of whether your phone is turned ON or OFF, the battery icon will flash.

When both batteries are fully charged the battery icon will cease flashing and become solid.

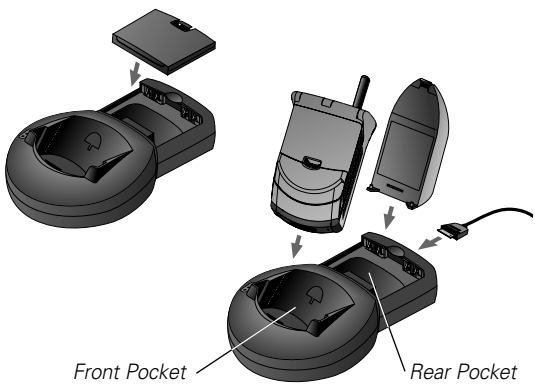


Battery Information

Using the Desktop Charger

The desktop charger's front pocket can charge batteries while they are attached to your phone, and the rear pocket can charge batteries separately.

First plug the AC adapter into the back of the charger, with the release tab facing up. Plug the other end of the AC adapter into an AC wall socket, and you can begin charging your batteries. With battery(s) attached, place the phone into the charger's front pocket. You can also charge an extra auxiliary or main battery in the rear pocket as shown:



Note: The detachable plug assembly included with your package can only be used for this power supply. Do not plug it into any wall outlet without the power supply.

Tip: *When you charge the main and an auxiliary battery, the main battery will be charged first.*

Battery Information

Desktop Charger and Internal Charging Time

The phone's batteries charge in about one to two hours, individually, depending on the battery. Allow extra time if you are charging more than one battery.

Desktop Charger Indicator Lights

- Red means the battery is charging.
- Flashing yellow means the battery is waiting its turn.
- Green means the battery is charged within approximately 90% of its capacity and can be used. An additional hour of charging will bring your battery up to 100% capacity.
- Flashing red indicates that the battery is damaged and cannot be charged.

Charging Two Batteries On The Phone

When you charge your phone with a main and auxiliary battery attached, the main battery will be charged first.

To find out which battery is being charged:

	You will see:
Press FCN then **press** 4 GHI	Chrging Aux or Chrging Main

Tip: *"Aux" will be displayed in place of the "on" message when the auxiliary battery is in use or charging.*

Battery Information

Leaving Batteries in the Charger

Lithium Ion batteries are different from other batteries in that you can leave them in the charger as long as you like. Nickel Metal Hydride batteries should not be left in the charger for more than 24 hours.

Battery Storage and Disposal

To prolong the life of your batteries, avoid exposing them to temperatures below -10°C (14°F) or above 45°C (113°F). As a good rule of thumb, always take your phone with you when you leave your car.

To dispose of batteries, check with your local recycling center for a battery recycler near you. Never dispose of batteries in fire.

Quick Change Power Source

The quick change feature lets you switch power sources without losing the call in progress. If you hear a low battery warning while you are in a call, just plug in the cigarette lighter adapter.

Quick Change Battery Replacement

You can also remove your phone's battery and replace it with a charged spare without losing the call in progress. If you hear a low battery warning while you are in a call, quickly switch batteries and resume your conversation.

Be aware that a quick change must be completed in three seconds to avoid losing the call in progress. Just give your party on the line a warning before beginning this procedure.

Caution:

To prevent injuries or burns, do not allow metal objects to contact or short circuit the battery terminals (see page 9).

Tip: *To extend battery life, do not leave a Nickel Metal Hydride (NiMH) battery in the charger for more than 24 hours.*

Using the Phone

Turning the Phone On and Off

The next ten pages in this section will tell you everything you need to know to operate your StarTAC cellular phone. Read them once, and you may never need to pick up this manual again. But if you would like to learn some quick and useful features, take a look at "Using Memory." Once you discover these convenient time-savers, you may wonder how you ever lived without them!

Follow these steps to turn your phone ON:

1. **Extend antenna** Extend the antenna for best performance.
2. **Open phone** Open your phone to expose the keypad.
3. **Press** PWR once to turn the phone ON.

   Press PWR again to turn the phone OFF.

What you will see:

Each time you turn ON your phone, it performs a self-test to let you know your phone is operational. When the self-test is finished, the display reads, "on" or "Aux" and you're ready to go.

To conserve energy, your phone may turn off its lights and most indicators when in standby mode. Don't worry, the display will come back the next time you press a key or open the phone.

Tip: *"Aux" will be displayed in place of the "on" message when the auxiliary battery is in use or charging.*

Using the Phone

Optimal Phone Position

Hold your cellular phone as shown below, with the antenna fully extended and pointing up and over your shoulder. For best performance, make sure your hand is not covering the antenna.

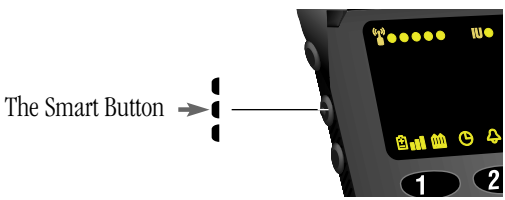
Wearing the Phone

To slip your StarTAC cellular phone into its holster, make sure the main battery is facing the inside of the holster. Just clip the holster onto a belt, purse or briefcase and you'll always have it with you!

Using the Smart Button

The new Smart Button simplifies the use of the StarTAC phone by allowing you to place calls, end calls, enter the menu system, toggle features ON and OFF, and select items in the display. The Smart Button's central location, the middle key on the left side, makes it easy to feel, easy to find—easy to use.

The symbol "⌖" in your display represents the Smart Button.



Once at your fingertip, use the Smart Button to:

Select Items in the Display

The most basic use of the Smart Button is to select. Whenever the phone offers you a choice, such as a ringer setting, press the Smart Button to select the one you want.

Toggle Features ON and OFF

Some of your phone's features toggle ON and OFF. Use the upper or lower volume key to scroll to the desired feature and press Smart Button to toggle.

Enter the Menu System

The StarTAC phone's menu system can be quickly accessed with the following key sequence:

Press FCN then **press** ⌖

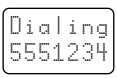
Using the Smart Button

Place Calls

1. Enter number — Enter the number you want to call, for example: 555-1234. You can also use any method you choose to recall a previously dialed or stored number.

You will see:

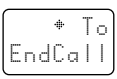
2. Press & hold to place the call.



End Calls

When you are finished with a call,

1. Press & hold until you hear two tones.



2. Press again to end the call.

Placing and Ending Calls

First check that your phone is ON.

To place a call:

1. Extend antenna — Extend the antenna completely for best performance.

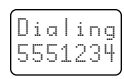
2. Enter number — Enter the number you want to call, for example: 555-1234.

Press CLR — to erase one digit at a time if you make a mistake.

Press & hold CLR — to clear the entire entry.

You will see:

3. Press & hold ➔ — until you hear two tones.



or

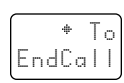
Press SND — to place the call.

To end a call:

Press END — or close the phone to "hang up" your cellular phone.

or

Press & hold ➔ — until you hear two tones.



then Press ➔ — again to end the call.

You can dial phone numbers with up to 32 digits, but only the last digits will appear in the display.

Press RCL — to see the entire phone number.

The phone will take you to the beginning of the phone number, then flash digits until the end of the number is reached.

Receiving Calls

Your phone must be ON to receive calls.

To answer a call:

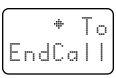
1. **Extend antenna** — Extend the antenna completely for best performance.
2. **Press** SND or open the phone when the phone rings.

To end a call:

Press END or close the phone to "hang up" your cellular phone.

or

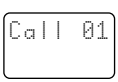
Press & hold until you hear two tones.



then Press again to end the call.

Unanswered Call Indicator

Even with personal cellular technology, sometimes you are not available to answer every call. While your phone is ON, it keeps count of unanswered calls and alerts you with the message: "Call XX," where XX is the number of calls not answered. For example, if your telephone is ON and you choose not to answer a call, your display will show:



Press CLR to erase the message, and you can begin placing calls again.

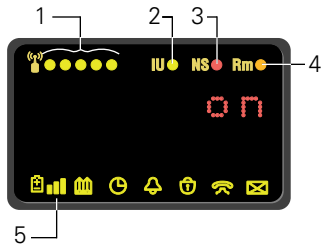
Viewing Your Own Number

To find out your cellular phone's number:

Press RCL then **press** # ▶

Tip: *To make answering calls even easier, try the Multiple Key Answer feature on page 114.*

Reading the Indicators



Strong

Weak

Signal Strength Indicator (1)

The Signal Strength Indicator (SSI) tells you the strength of the connection between your phone and the local cellular system. A strong signal increases your chances of placing and receiving calls. You may see low signal strength if you're in a fringe area of the cellular system. Buildings, tunnels and bad weather could block or interfere with reception. If the display goes blank to conserve energy, the SSI's lights flash one at a time up to the signal level you are receiving.

In Use Indicator (2)

The In Use (IU) Indicator flashes when a call is in progress.

No Service Indicator (3)

If you travel beyond the range of a cellular system, the No Service (NS) Indicator will flash to let you know that calls cannot be placed or received from your location.

Roam Indicator (4)

The Roam (Rm) Indicator lights up when your phone accesses a cellular service outside your local cellular system. When you leave your cellular service area, your phone roams or seeks another cellular system until it finds one.

If your phone finds another cellular service, of the same system type as your local service, the Roam Indicator flashes slowly. If it finds a different system type, it will flash quickly.

Reading the Indicators

Battery Level Indicator (5)

The three bar segments on the phone's Battery Level Indicator show the amount of charge remaining in your battery. The more segments you see, the greater the charge. Press FCN, then press 4 GHI for more battery information. When your battery is low, the phone alerts you three ways:

- No bar segments will be highlighted.
- "Low Bat" will appear on your screen.
- A short tone will play periodically.

If you ignore these warnings, the phone will automatically turn itself OFF when the battery is on its last legs. Just charge the battery to resume normal operation.

High

Low

Power/Status Indicator

When you are wearing your phone in its holster or just carrying it, the Power/Status Indicator on the top of the phone gives you all the information you need when the phone is closed. Read the chart below to find out what your phone is trying to tell you.

Power/Status

Incoming call	Alternating Red/Green
In Service	Flashing Green
No Service	Flashing Red
Roam: home type system	Yellow, slow flash
Roam: non-home type system	Yellow, fast flash

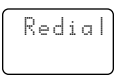
Redialing Numbers

Automatic Redial

Sometimes the cellular system is busy and you may hear a fast busy signal. With Automatic Redial, your phone will call continuously for the next four minutes. When it makes a connection, the phone will ring or vibrate. When the person you are calling answers, you can begin talking.

You will see:

Press or **press** SND if you hear a fast busy signal.

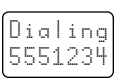


If the call does not go through after four minutes:

Press or **press** SND to continue the call attempt.

If you hear an ordinary busy signal, try this sequence. It only works if the cellular system is busy with incoming calls.

1. **Press** END to hang up.
2. **Press** or **press** SND to place a call to the last number you dialed.



Redialing Numbers

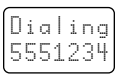
This feature makes it easy to call any one of the last ten numbers you've dialed.

Display Last Ten Numbers Dialed

1. **Press** RCL then **press** 0 OPR , 0 OPR
   The display will show the last number you dialed.

2. **Press** ↑ or ↓ to scroll through the last ten numbers, starting with the most recent call.

3. **Press & hold** ↑ or ↓ or **press** SND to call the number in your display.



Basic Tone Controls

Adjusting Volume

The upper and lower volume keys can be used to adjust both the earpiece and the ringer volume. As you press these keys, the phone's speaker will demonstrate the current volume level.

To adjust earpiece and keypad volume:

Press to raise or lower the volume.

To adjust ringer volume:

1. **Press** FCN
2. **Press** to raise or lower the volume.

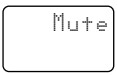
Basic Tone Controls

Muting the Microphone

If you need some privacy while a call is in progress, try muting the microphone—you will be able to hear the party on the other end, but he or she will not hear you.

You will see:

1. **Press** FCN then **press** 6 MNO MUTE to mute the microphone.



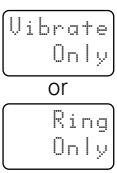
2. **Press** FCN then **press** 6 MNO MUTE again to resume normal conversation.

Silent Vibration Mode

In situations where ringing may not be appropriate, or in noisy places where you may not hear your phone, select the VibraCall function for silent vibration with this quick sequence:

You will see:

Press FCN then **press** 8 TUV VIB to toggle between ringer and vibration mode.



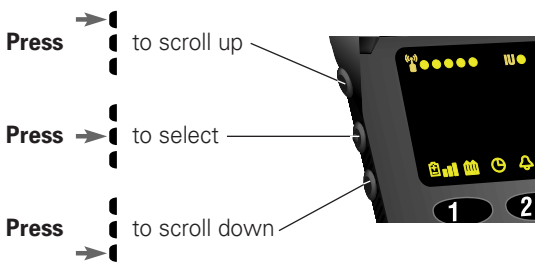
Using Memory

Do you have places to go and people to see? Too many phone numbers to remember? Let your phone remember them for you. Your StarTAC phone's internal Phone Book can store up to 99 names and numbers for easy access on the go.

In this chapter you will learn how to:

- store names and numbers into the Phone Book.
- recall phone numbers from memory.
- dial in a flash with the Super Speed Dial and Turbo Dial functions.

Note: Follow these symbols as a guide for using the keys on the side of your phone.



Making the Most of Memory

Each phone number is stored in a "memory location" numbered 01-99. You can arrange your Phone Book for convenient recall by storing related numbers in groups of ten. For example, store your ten most frequently called numbers in locations 01-09, then you can use the Turbo Dial function to call them with the push of a key. You could store business phone numbers in locations 10-19, family numbers in 20-29, friends in 30-39, and so on.

You can also store names to help identify phone numbers. Later you can easily recall numbers either by memory location or by name. If someone you know has more than one phone number, you could quickly recall the number you need by storing it with a descriptive name, for example:

The possibilities are endless, so give it a try!

When you feel ready for more, try the advanced storing features in the next chapter. Pages 56-60 describe how the Phone Book can help you place calling card calls and access Voice Mail and other automated calling systems with the touch of a button.

Storing Names and Numbers

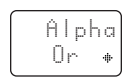
To take advantage of your phone's internal Phone Book, you'll first want to store some names and numbers into memory. With a little practice you'll find it's a piece of cake!

1. Enter number — Enter the phone number you want to store.

You will see:

2. Press STO — to begin storing. The phone will prompt you for a memory location.

3. Enter location — Enter the two-digit memory location where you want the sequence stored.



or

Press ◀ ✱ — to store the sequence in the first available location.

or

Enter digit — Enter the first digit of the memory location and **press ◀ ✱** to store the sequence in the first available location beginning with that digit.

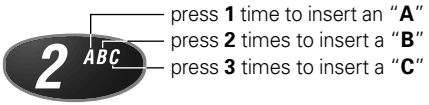
4. Enter name — Enter a name to identify the phone number, or skip this step and continue with step 5. (See the next page for details on entering names.)

5. Press → — or **press STO** when you are finished entering the name. Your phone will confirm your entry by displaying the information you stored.

Tip: *The "⌖" symbol in your display represents the Smart Button.*

Entering Names

When the display shows "Alpha Or *," you can use the keypad to produce any letter in the alphabet by pressing the numeric keys one or more times. Just use the letters printed on each key as a guide and you can't go wrong. For example, press 2 ABC to enter the letters "A," "B," or "C" as shown:



To enter a name into the Phone Book:

1. **Enter letter** — Enter a letter by pressing a key as many times as necessary.
2. **Press** # ▶ to advance the cursor to the next space.

   Press ◀ * or **press** CLR to erase a letter if you make a mistake.
3. **Continue storing** — Continue with step 5 on the previous page when you are finished entering the name.

This is easier than it looks, so give it a try!

Recall from Memory

Recall by Name

Once you have stored names and numbers, you can recall them alphabetically and immediately place calls. With one press of the Smart Button you have instant access to the name directory. What could be easier?

1. Press once to enter your name directory.

2. Press or to scroll to the name you are looking for.

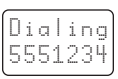
or

Enter letter Enter the first letter of the name you want to recall from memory. The display will show the first name beginning with that letter.

Press RCL if you want to see the number stored with the name.

You will see:

3. Press & hold or **press** SND to call the number you selected.



4. Press END or close the phone to end the call.

or

Press & hold until you hear two tones.

then Press again to end the call.

Recall from Memory

Clear an Entry

Here's an easy way to erase a memory entry:

1. **Recall** — Recall the entry by name that you want to erase.
2. **Press** CLR to clear the entry.
3. **Press** STO to confirm that you want to erase the entry.

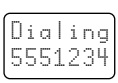
Recall by Memory Location

Each name and number you store is placed in a memory location numbered 01-99. Once you have stored names and numbers, you can recall them by memory location.

1. **Press** RCL (This step is optional.)
2. **Enter location** — Enter the two-digit memory location of the phone number you're looking for.

You will see:

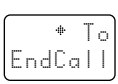
3. **Press & hold** ➔ or **press** SND to call the number you selected.



4. **Press** END or close the phone to end the call.

or

Press & hold ➔ until you hear two tones.



then Press ➔ again to end the call.

Recall Shortcuts

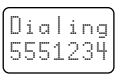
Super Speed Dial

If you know the memory location of the number you want to call, try the Speed Dial function:

1. **Enter location** — Enter the two-digit memory location (01-99).

You will see:

2. **Press & hold** to place the call.



or

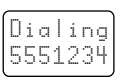
Press SND to place the call.

Turbo Dial

The Turbo Dial function lets you dial numbers stored in locations 01-09 with the push of a button:

You will see:

Press & hold a number on the keypad, 1 through 9 WXYZ and your call is placed!



Your phone's Emergency Call feature gives you fast access to any number stored in location 01. To learn how to activate this feature, see page 90.

Scratchpad

In addition to your internal Phone Book, you also have a built-in Scratchpad for quick notes on the fly. The Scratchpad remembers the last phone number that was on your display. If you are on the phone and your party gives you another number to call, enter the number into the Scratchpad to place the call later.

1. **Enter number** — Enter the number into the keypad. (The person on the line will hear tones as you dial.)
2. **Press** END to end the call you are currently in, if necessary.
3. **Press** SND to call the number in the Scratchpad.

You can also store numbers while you are in a call.

1. **Enter number** — Enter the number into the keypad. (The person on the line will hear tones as you dial.)
2. **Press** STO and continue storing with step 3 on page 42.

The Menu

Introducing the Menu Features

The StarTAC cellular phone is loaded with amazing features that can help make life easier, more productive and just a bit more exciting. The phone's user-friendly menu system will help you find what you need quickly and easily. Each of the icons on your phone's display represents a menu feature, giving you access to many phone functions.

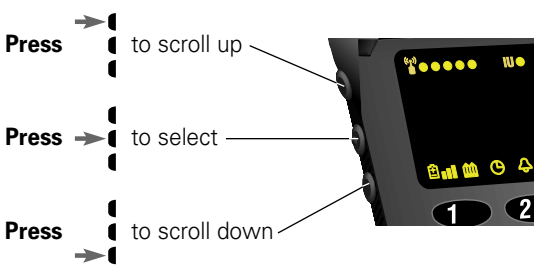
Shortcut
Experienced Motorola Users: Watch for the "Shortcuts." You will find many of the same key sequences you have used with other Motorola models!

Menu Feature Icons

You can navigate through the menu system using the three keys located on the left side of the phone. Use the upper and lower volume keys to scroll to sub-menus and to control volume. Use the middle Smart Button to choose menus and functions.

Navigating the Menu

This manual uses these symbols to instruct you to use the Smart Button and the upper and lower volume keys.



To help you navigate through the phone's menu system, each chapter begins with an easy-to-follow visual "road map." Simply press the key shown, and observe the message that appears in the display. For example, try this:

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔ or ➔	to scroll through the menu's top level, shown here in the margin. (Notice that the icons on the bottom of your display flash as you scroll.)	
3. Press END	to exit the menu.	

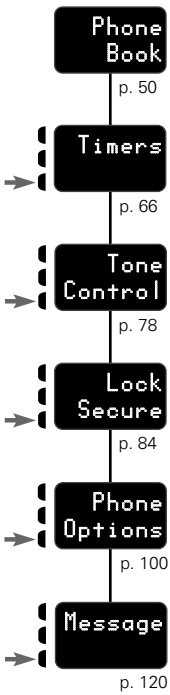
Detailed instructions within each chapter describe the operation of all features.

Now it's time to take the plunge. Move at your own pace, experiment, and have some fun!

Previous User Compatibility

If you are already familiar with previous Motorola cellular phones, you can use your phone's ◀ * & # ▶ keys to scroll through the menu system.

Road Map



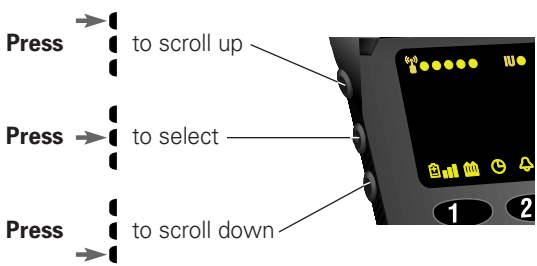
Phone Book

In the previous chapter you learned how to store and recall phone numbers with the internal Phone Book. You can access the same features using the StarTAC cellular phone's convenient menu system—the choice is yours! In this chapter you will also learn about advanced storing features that help you use calling cards and access automated calling systems without spraining a finger.

In this chapter you will learn how to:

- recall and store phone numbers using the menu system.
- simplify automated calling systems like Voice Mail.
- store calling card sequences for easy access.
- edit your memory information.
- view your own phone number.
- adjust the information on your display.

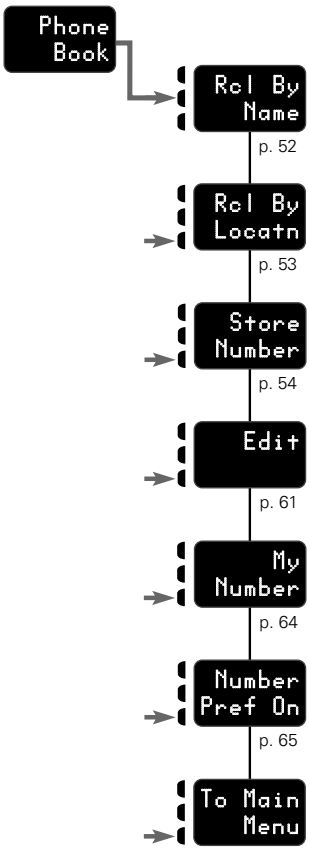
Note: Follow these symbols as a guide for using the keys on the side of your phone.



Road Map

Press FCN then press ⋮→⋮ to enter the menu system.

Start:



Recalling with the Menu

Recall by Name

Once you have stored names and numbers, you can recall them alphabetically with the Phone Book menu.

		You will see:
1. Press FCN	then **press** → to enter the menu features.	Phone Book
2. Press →	to select Phone Book.	Rcl By Name
3. Press →	to select Recall By Name.	Enter 1st Ltr
4. Enter letter	Enter the first letter of the name you want to recall from memory. The display will show the first name that begins with that letter.	
5. Press → or ←	to scroll to the name you are looking for.	
Press RCL	if you want to see the number stored with the name.	
6. Press & hold →	or **press** SND to call the number you selected.	Dialing 5551234
7. Press END	or close the phone to end the call.	
or		
Press & hold →	until you hear two tones.	* To EndCall
then Press →	again to end the call.	

Recalling with the Menu

Each name and number you store is placed in a memory location numbered 01-99. Once you have stored names and numbers, you can recall them by memory location with the Phone Book menu.

Recall by Location

		You will see:
1. Press FCN	then **press** → to enter the menu features.	Phone Book
2. Press →	to select Phone Book.	Rcl By Name
3. Press →	to scroll to Recall by Location.	Rcl By Locatn
4. Press →	to select Recall by Location.	Locatn __
5. Enter location	Enter the two-digit memory location of the number you're looking for.	
6. Press & hold →	or **press** SND to call the number you selected.	Dialing 5551234
7. Press END	or close the phone to end the call.	
or		
Press & hold →	until you hear two tones.	* To EndCall
then Press →	again to end the call.	

Storing with the Menu

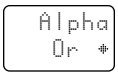
You can use the phone's menu system to store names and numbers into the Phone Book. Whether you store numbers as described in the previous chapter or with the menu, you will get the same results, so give it a try.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to select Phone Book.	Rcl By Name
3. Press ➔	to scroll to Store.	Store Number
4. Press ➔	to select Store.	Enter Number
5. Enter number	Enter the phone number you want to store.	
6. Press ➔	when you are finished entering the number.	Locatn __

Storing with the Menu

7. Enter location

Enter the two-digit memory location where you want the sequence stored.



or

Press ◄ * to store the sequence in the next available location.

or

Enter digit Enter the first digit of the memory location and **press** ◄ * to store the sequence in the first available location beginning with that digit.

8. Enter name Enter a name to identify the phone number, or skip this step and continue with step 9. (See page 43 for details on entering names.)

9. Press → or **press** STO when you are finished entering the name. Your phone will confirm your entry by displaying the location, number and name you stored. Proceed with step 10 or continue with step 5 on page 54 to store more numbers.

10. Press END to exit the menu.

Tip: *If chosen location is full, press* END *and restart storing sequence.*

Pause Dialing

If you often find yourself calling Voice Mail systems, banking by phone or using other automated calling systems, you will appreciate the one-key convenience of Pause Dialing. Simply save the access numbers as a linked sequence, and you'll never need to enter them again!

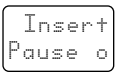
Here's how it works: when you call automated systems, a recorded message prompts you for PIN numbers, Voice Mail numbers, etc. You can store these numbers in your phone's memory, separated by "pauses"— special characters that tell your phone to wait before sending additional numbers.

To use your stored sequence, simply recall it and press and hold the smart button or press SND to place the call. When the recording prompts you for information, just press the Smart Button or press SND and your phone will send the next set of numbers that you stored. Press the Smart Button or press SND as many times as necessary to transmit all the numbers.

1. **Enter number** — Enter the phone number you use to access the automated system.

You will see:

2. **Press** FCN then **press** SND



3. **Press** → to insert a pause into the sequence.

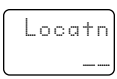
Tip: *You can use the Smart Button instead of* SND

Pause Dialing

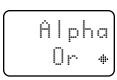
4. **Enter numbers** Enter the next group of numbers, for example, an account number or PIN number. If the automated system requires a * or #, enter those symbols, too.

5. **Insert pause** Insert another pause and enter the next group of numbers by repeating steps 2 through 4 as many times as necessary. You can store up to 32 digits, including pauses. When you've entered the entire sequence, store it as you would any phone number.

6. **Press** STO to begin storing.



7. **Enter location** Enter the two-digit memory location where you want the sequence stored.



8. **Enter name** Enter a name for your sequence. (See page 43 for details.)

9. **Press** → when you are finished entering the name. Your phone will confirm your entry by displaying the location, number and name you stored.

Advanced Storing

Storing Calling Card Information

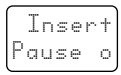
Like Pause Dialing, you can store calling card access numbers, separated by pauses, for easy recall later. You can also store a Number Character in the sequence to save a place for the number you will be calling when you use your calling card.

You can protect your calling card information with your phone's security features. See pages 84-99 for details.

1. **Enter numbers** — Enter the phone number you use to access your calling card system, usually a 1-800 phone number. Skip this step if you only dial 0.

You will see:

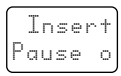
2. **Press** FCN then **press** SND



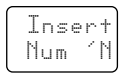
3. **Press** ➔ to insert a pause into the sequence.

4. **Enter numbers** — Enter the next group of numbers. For example, some long distance carriers require you to dial a 0 before the number you are calling.

5. **Press** FCN then **press** SND



6. **Press** ➔ to scroll to the Number Character.



Storing Calling Card Information

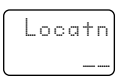
7. Press ➔ to insert the 'N Character into the sequence. This special character saves a place for the phone number you will be calling. The number will be inserted into the sequence automatically when you place the call.

8. Press FCN then **press** SND

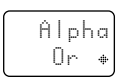
then Press ➔ to insert another pause, as in steps 2 and 3.

9. Enter numbers Enter your calling card PIN number.

10. Press STO to store your calling card sequence.



11. Enter location Enter the two-digit memory location where you want the sequence stored.



12. Enter name Enter a name for your sequence. (See page 43 for details.)

13. Press ➔ when you are finished entering the name. Your phone will confirm your entry by displaying the location, number and name you stored.

Placing a Calling Card Call

After you've stored your calling card information, just recall the information, enter the number of the person you are calling, and your phone will do the rest.

You will see:

1. **Recall** — Recall the calling card information you've stored (see page 58).
2. **Press** SND — before entering number. `Enter Number`
3. **Enter number** — Enter the phone number you want to call, including the area code. You may enter the number manually, by location, or recall.
4. **Press & hold** → — or **press** SND to place the call. Your phone will dial the number to access your long distance provider. `Dialing 1800555`
5. **Press** → — or **press** SND to send the next group of numbers when the recording prompts you. The phone will automatically insert the selected number to call at the appropriate spot in the sequence.
6. **Send numbers** — Repeat step 5 to send the next group of numbers as many times as necessary.
7. **Press** END — or close the phone to end the call.

   or

   Press & hold → — until you hear two tones. `* To EndCall`

   then Press → — again to end the call.

Editing a Memory Location

After you have stored names and numbers into the Phone Book, you can edit the information or erase entries at any time.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to select Phone Book.	Rcl By Name
3. Press ↓ ➔	to scroll to the Edit feature.	Edit
4. Press ➔	to select Edit. To find the entry you want to edit, recall it by location or by name.	By Locatn
5. Press ➔	to recall the entry by location and continue with step 6a.	Locatn __
or		
Press ↓ ➔	to scroll to recall By Name.	By Name
then Press ➔	to select and continue with step 6b.	Enter 1st Ltr

Continued on page 62.

Editing a Memory Location

6a. Enter location

Enter the two-digit memory location of the phone number you want to edit. Continue with step 7.

or

6b. Enter letter

Enter the first letter of the name you want to edit. The display will show the first name beginning with that letter.

or

Press or

to scroll to the name you are looking for. When you find the name, continue with step 7.

7. Press

to begin editing the phone number. The display will show the name briefly, then the phone number.

8. Press CLR

to erase one digit at a time.

Press & hold CLR

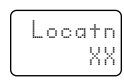
to erase the entire number.

Enter numbers

Enter your changes to the phone number.

9. Press

when you finish editing the phone number. The display will show the location where your number is currently stored.



Editing a Memory Location

10. Press CLR to erase the memory location and enter a new two-digit location.

or

Press → to keep the phone number in its current location. The display will show the name stored with the phone number you are editing.

11. Press CLR to erase one letter at a time or skip this step to leave the name unchanged.

Enter letters Enter your changes to the name. (See page 43 for details on entering names.)

12. Press → when you finish editing the name. The display will show the new information and ask if you want to save your changes.

Change?

13. Press → to save your changes. Your phone will confirm your entry by displaying the location, number and name you stored.

or

Press CLR to leave the information unchanged.

Locatn
__

Enter location Enter a new two-digit memory location to avoid overwriting the information in the current location.

14. Press END to exit the menu.

Viewing Your Own Number

Use this feature to view your cellular phone's currently active phone number. If you have more than one phone number, you can change the active number with the Change Number feature in the Phone Options menu (see page 102).

Shortcut
Press RCL then # ▶ for a quick look at your phone number.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to select Phone Book.	Rcl By Name
3. Press ➔	to scroll to My Number.	My Number
4. Press ➔	to view your own phone number. Your active phone number will appear on the screen. After six seconds, the phone will go back to step 3.	
5. Press END	to exit the menu, or you may scroll to other features.	

Number Preference

This feature determines the order in which the Phone Book displays information. When you recall information by location and Number Preference is ON, you will first see the stored phone number and must press RCL to see the associated name. When Number Preference is OFF, the Phone Book displays the name first and you must press RCL to see the associated phone number.

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features.

   Phone Book

2. **Press** ➔ to select Phone Book.

   Rcl By Name

3. **Press** ➔ to scroll to the Number Preference feature.

   Number Pref On

   or

   Number PrefOff

4. **Press** ➔ to toggle the feature ON or OFF.

5. **Press** END to exit the menu, or you may scroll to other features.

Shortcut
Press FCN then press the Smart Button, then 1, 2 ABC and continue with step 4.

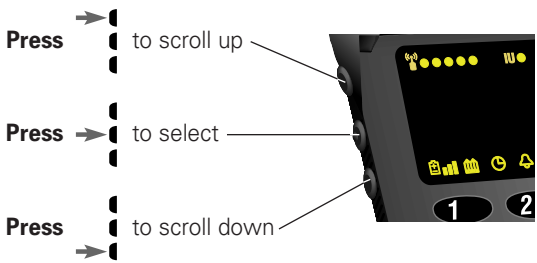
Call Timers

Your phone's Call Timer features give you a variety of options for managing your time. You can monitor the length of individual calls, set a timer to track monthly usage, or have the phone alert you at intervals that you specify.

In this chapter you will learn how to:

- monitor the length of your calls.
- set and view the resettable timer for long-term monitoring.
- program audible timers for your individual needs.

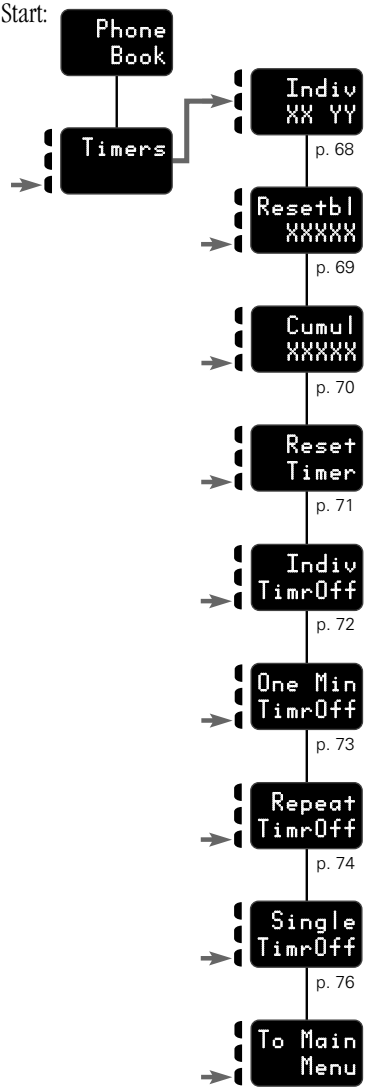
Note: Follow these symbols as a guide for using the keys on the side of your phone.



Road Map

Press FCN then press ⇢ to enter the menu system.

Start:



View Individual Call Timer

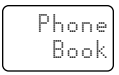
You can view the air-time of the most recent call or the call in progress (in minutes and seconds) at any time using this feature. The Individual Call Timer resets before you place the next call and when you turn the phone OFF. You can also choose to have the timer display automatically while calls are in progress with the Automatic Display feature on page 72.

Shortcut 1
Press RCL then # ▶ twice for a quick look at this timer.

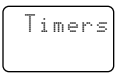
Shortcut 2
Press FCN then press the Smart Button, then 4 GHI, 5 JKL LOCK for a quick look at this timer.

You will see:

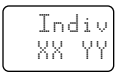
1. **Press** FCN then **press** ➔ to enter the menu features.



2. **Press** ➔ to scroll to Call Timers.



3. **Press** ➔ to select Call Timers. The display will show the air-time of your last call in minutes (XX) and seconds (YY).



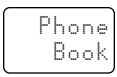
4. **Press** END to exit the menu, or you may scroll to other features.

View Resettable Call Timer

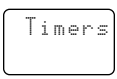
You can track how much air-time you have accumulated during any time period you choose. Use this feature to view the time elapsed, and follow the instructions on page 71 to reset the timer.

You will see:

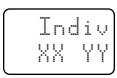
1. **Press** FCN then **press** ➔ to enter the menu features.



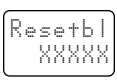
2. **Press** ➔ to scroll to Call Timers.



3. **Press** ➔ to select Call Timers.



4. **Press** ➔ to scroll to Resettable Timer. The display will show your air-time in minutes since you last reset the timer.



5. **Press** END to exit the menu, or you may scroll to other features.

Shortcut 1
Press RCL then # ▶ three times for a quick look at this timer.

Shortcut 2
Press FCN then press the Smart Button, then 4 GHI, 6 MNO MUTE for a quick look at this timer.

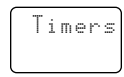
View Cumulative Timer

This is a non-resettable timer that keeps track of your phone's total air-time (in minutes).

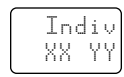
You will see:

1. **Press** FCN then **press** ➔ to enter the menu features.

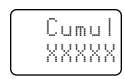
2. **Press** ➔ to scroll to Call Timers.



3. **Press** ➔ to select Call Timers.



4. **Press** ➔ to scroll to Cumulative Timer. The display will show your air-time in minutes since your phone was activated.



5. **Press** END to exit the menu, or you may scroll to other features.

Shortcut 1
Press RCL then # ▶ four times for a quick look at this timer.

Shortcut 2
Press FCN then press the Smart Button, then 4 GHI, 7 PQRS for a quick look at this timer.

Reset Timer

Scroll over to this feature at the beginning of each billing cycle and you will always be in the know. After you reset the timer, it will continue to keep track of your air-time (in minutes) until you reset it again.

Keep in Mind: The shortcuts will not work if the Reset Timer is already set at zero.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press	to scroll to Call Timers.	Timers
3. Press ➔	to select Call Timers.	Indiv XX YY
4. Press	to scroll to Reset Timer.	Reset Timer
5. Press ➔	to reset the timer.	Resetbl 00000
6. Press END	to exit the menu, or you may scroll to other features.	

Shortcut 1
Press FCN then press the Smart Button, then 4 GHI, 3 DEF and continue with step 5.

Shortcut 2
Press FCN then 0 OPR, 7 PQRS, CLR to reset the timer.

Auto Display Timer

When you turn this feature ON, your phone will automatically display your air-time in minutes (XX) and seconds (YY) during and after each call.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Call Timers.	Timers
3. Press ➔	to select Call Timers.	Indiv XX YY
4. Press ➔	to scroll to Individual Timer.	Indiv TimrOff or Indiv Timr On
5. Press ➔	to toggle the feature ON or OFF.	
6. Press END	to exit the menu, or you may scroll to other features.	

Shortcut
Press FCN then press the Smart Button, then 4 GHI, 8 TUV, and continue with step 5.

Tip: *Activating the Auto Display Timer may reduce stand-by-time or talk-time.*

One Minute Audible Timer (optional)

Turn this feature ON to hear an audible beep 10 seconds before the end of every minute during a call. Don't worry, the party on the other end will not hear the beeps.

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features.

   Phone Book

2. **Press** ➔ to scroll to Call Timers.

   Timers

3. **Press** ➔ to select Call Timers.

   Indiv XX YY

4. **Press** ➔ to scroll to One Minute Timer.

   One Min TimrOff

   or

   One Min Timr On

5. **Press** ➔ to toggle the feature ON or OFF.

6. **Press** END to exit the menu, or you may scroll to other features.

Shortcut
Press FCN then press the Smart Button, then 4 GHI, 4 GHI and continue with step 5.

Repeating Audible Timer (optional)

You can set this timer to beep during your calls at an interval that you select—from 11-999 seconds. Like the One Minute Audible Timer, you will hear the beep 10 seconds before the end of each interval, and the party on the other end will not hear the beeps.

Shortcut
Press FCN then press the Smart Button, then 4 GHI, 1 and continue with step 5.

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features. → Phone Book
2. **Press** ➔ to scroll to Call Timers. → Timers
3. **Press** ➔ to select Call Timers. → Indiv XX YY
4. **Press** ➔ to scroll to Repeating Timer. → Repeat TimrOff or Repeat Timr On
5. **Press** ➔ to toggle the feature ON or OFF. → Enter Seconds

The prompt to enter seconds will appear **only** if you have turned the feature ON. If you have turned it OFF, you will see:

Audible TimrOff then Repeat TimrOff

Programmable Timers

6. Enter seconds

Enter the number of seconds you would like between audible beeps.

7. Press ➔ to set the timer. The phone will confirm by displaying your entry.

8. Press END to exit the menu, or you may scroll to other features.

Repeating Audible Timer (optional)

Single Audible Timer (optional)

Like the Repeating Timer, you can set the Single Timer to beep at a time that you select—from 11-999 seconds. It will beep once during each call, 10 seconds before the end of the interval. The party on the other end will not hear the beeps.

Shortcut
Press FCN then press the Smart Button, then 4 GHI, 2 ABC and continue with step 5.

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features.
   Phone Book
2. **Press** ➔ to scroll to Call Timers.
   Timers
3. **Press** ➔ to select Call Timers.
   Indiv XX YY
4. **Press** ➔ to scroll to Single Timer.
   Single TimrOff
   or
   Single Timr On
5. **Press** ➔ to toggle the feature ON or OFF.
   Enter Seconds

   The prompt to enter seconds will appear **only** if you have turned the feature ON. If you have turned it OFF, you will see:
   Audible TimrOff then Single TimrOff

Programmable Timers

6. Enter seconds

Enter the number of seconds you would like before a beep.

Beep At
XXXSecs

7. Press

to set the timer. The phone will confirm by displaying your entry.

Set At
XXXSecs

8. Press END to exit the menu, or you may scroll to other features.

Single Audible Timer (optional)

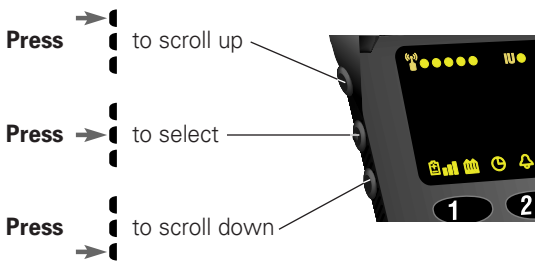
Tone Controls

If you've been reading along diligently, this may be a good time for a break—put your feet up and have some fun with the Tone Controls. Use these features to select silent vibration mode, personalize your phone's beeps, blips and buzzes—or turn them OFF for some peace and quiet.

In this chapter you will learn how to:

- choose from nine different ringer styles.
- activate and deactivate the VibraCall function.
- silence the keypad.
- silence the Scratchpad.

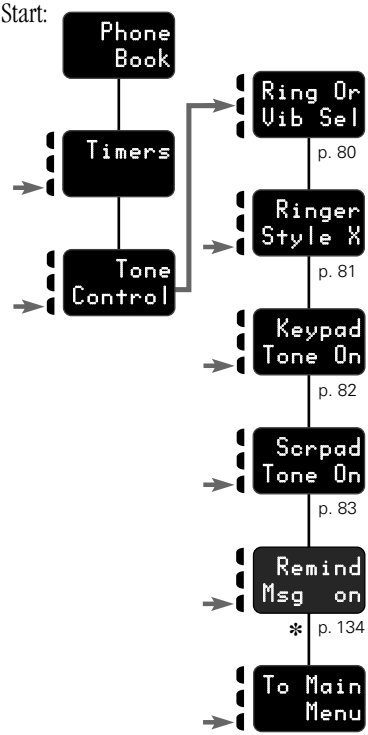
Note: Follow these symbols as a guide for using the keys on the side of your phone.



Road Map

Press FCN then press → to enter the menu system.

Start:



*This feature is not available in many cellular service areas. It does not appear in your display unless it has been turned ON by your cellular service provider.

Ringer or Vibrator Selection

Using this innovative feature, you can choose to be alerted to incoming calls using the vibrator, ringer, both or neither. Motorola's VibraCall option is ideal for situations where ringing may not be appropriate, or in noisy places where you might not hear the ringer.

Shortcut 1
Press FCN then press 8 TUV VIB to toggle the VibraCall function ON and OFF.

Shortcut 2
Press FCN then press the Smart Button, then 3 DEF, 0 OPR and continue with step 4.

Shortcut 3
Press FCN then press the Smart Button, then 3 DEF, 1 and continue with step 4.

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features. → Phone Book
2. **Press** ➔ to scroll to Tone Controls. → Tone Control
3. **Press** ➔ to select Tone Controls. → Ring Or Vib Sel
4. **Press** ➔ to select this feature. The display will show your current ringer setting.
5. **Press** ➔ or ➔ to scroll through your choices:

Vibrate Only	Ring Only	Ring On Vib On	RingOff Vib Off

When both the ringer and vibrator are ON, the phone alerts you by vibrating for three ring cycles and then ringing.

6. **Press** ➔ when you reach the setting you want.
7. **Press** END to exit the menu, or you may scroll to other features.

Select Ringer Style

The StarTAC phone gives you nine different ringer styles to choose from. After you choose a style, the phone will give you a brief sample of your new alert sound, or vibrate if you have the VibraCall function selected.

		You will see:
1. Press FCN	then **press** → to enter the menu features.	Phone Book
2. Press ↓	to scroll to Tone Controls.	Tone Control
3. Press →	to select Tone Controls.	Ring Or Vib Sel
4. Press ↓	to scroll to Ringer Style. The phone will show your current ringer style's number.	Ringer Style X
5. Press →	to select this feature. You will hear a sample of your current ringer style.	Select 1-9
6. Enter number	**Press** 1 through 9 WXYZ to hear the different ringer styles, or you may scroll through the ringer styles.	
7. Press →	when you reach the ringer style you want.	Ringer X Set
8. Press END	to exit the menu, or you may scroll to other features.	

Keypad Tones

Keypad tones are the sounds you hear when you press any key on the phone. If you want to be discreet, use this feature to silence the audio feedback from the keypad.

Keep in Mind: The other party will still hear tones.

Shortcut
Press FCN then press the Smart Button, then 3 DEF, 2 ABC and continue with step 5.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Tone Controls.	Tone Control
3. Press ➔	to select Tone Controls.	Ring Or Vib Sel
4. Press ➔	to scroll to Keypad Tones.	Keypad Tone On or Keypad ToneOff
5. Press ➔	to toggle the feature ON or OFF.	
6. Press END	to exit the menu, or you may scroll to other features.	

Scratchpad Tones

Scratchpad tones are the tones that your phone sends to access automated calling systems like Voice Mail. If you don't want your party to hear these sounds when you use the Scratchpad, turn the Scratchpad tones OFF.

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features. → Phone Book
2. **Press** ➔ to scroll to Tone Controls. → Tone Control
3. **Press** ➔ to select Tone Controls. → Ring Or Vib Sel
4. **Press** ➔ to scroll to Scratchpad Tones. → Scrpad Tone On or Scrpad ToneOff
5. **Press** ➔ to toggle the feature ON or OFF.
6. **Press** END to exit the menu, or you may scroll to other features.

Shortcut
Press FCN then press the Smart Button, then 3 DEF, 3 DEF and continue with step 5.

Note: If you turned the Scratchpad tones OFF, but you want to access a tone-activated system like Voice Mail, place your call, enter the numbers you need to transmit, then:

Press RCL then **press** SND to send the tones.

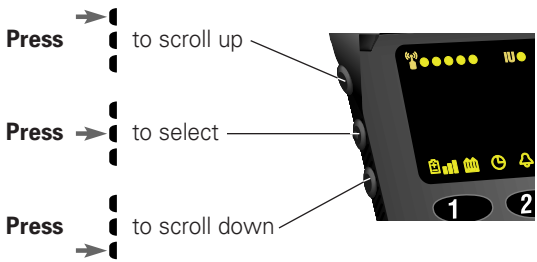
Lock/Security

While you probably would not want to leave your phone unattended, the StarTAC cellular phone has a number of built-in security features to prevent unauthorized use. You can keep your personal information safe and restrict call placement while lending your phone to other people.

In this chapter you will learn how to:

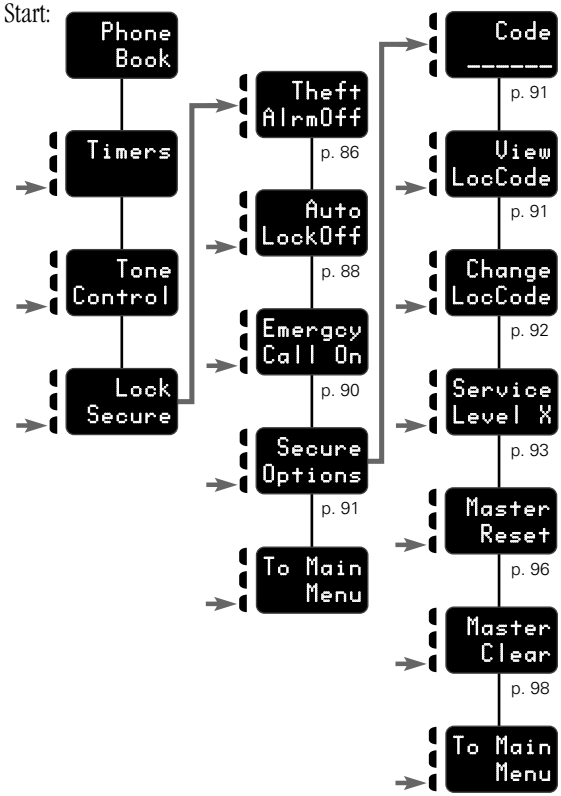
- set the Theft Alarm.
- lock and unlock your phone.
- place emergency calls.
- change your lock code.
- restrict call placement and memory access.
- reset or clear your phone's settings.

Note: Follow these symbols as a guide for using the keys on the side of your phone.



Road Map

Press FCN then press → to enter the menu system.



Theft Alarm

The Theft Alarm locks your phone to help prevent unauthorized access. To unlock it, you must enter your three-digit unlock code (see page 89 and 91). If an unauthorized person turns the phone ON and does not enter the unlock code within 30 seconds, your phone will place two calls to a pre-programmed telephone number that you specify. The person who answers the call will hear a high-pitched alarm tone, letting him or her know that your phone is in distress. Unlock your phone to resume normal operation.

Shortcut
Press FCN then press the Smart Button, then 1, 4 GHI and continue with step 4.

You will see:

1. **Press** FCN then **press** → to enter the menu features.
   Phone Book
2. **Press** → to scroll to Lock/Security.
   Lock Secure
3. **Press** → to select Lock/Security.
   Theft AlrmOff
   or
   Theft Alrm On
4. **Press** → again to toggle the feature ON or OFF. When you turn the alarm ON, the display will prompt you for a telephone number.
   Enter Number

Theft Alarm

5. Press ➔ to see the previously stored number if you entered one earlier. If you want this number to be called, continue with step 6.

or

Enter number Enter the number you want the phone to call in the event of unauthorized access.

6. Press ➔ to set the alarm.

7. Press END to exit the menu, or you may scroll to other features.

When the Theft Alarm is ON, you will see "Armed" in the display. The Theft Alarm is reset before each use.

Automatic Electronic Lock

When you turn this feature ON, your phone will automatically lock itself each time the phone is turned OFF.

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features.

   Phone Book

2. **Press** ➔ to scroll to Lock/Security.

   Lock Secure

3. **Press** ➔ to select Lock/Security.

   Theft AlrmOff

4. **Press** ➔ to scroll to Automatic Lock.

   Auto LockOff

   or

   Auto Lock On

5. **Press** ➔ to toggle the feature ON or OFF.

6. **Press** END to exit the menu, or you may scroll to other features.

Shortcut
Press FCN then press the Smart Button, then 1, 5 JKL LOCK and continue with step 5.

Manual Electronic Lock

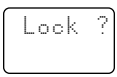
Locking the Phone

You can lock your phone manually at any time to help prevent unwanted use. Once locked, you can leave your phone ON or turn it OFF and the phone remains locked.

1. **Press** FCN

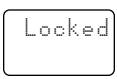
   You will see:

2. **Press & hold** 5 JKL LOCK for at least one full second.

"LOCK" is printed on 5 JKL LOCK as a reminder.

3. **Press** ↵ or **press** STO to lock your phone.

Unlocking the Phone

Unlocking you phone is quick and easy. Once your phone is ON, just enter your three-digit lock code to unlock your phone. (See page 91.)

You can still receive calls when the phone is locked. Follow these steps to answer the incoming call.

1. **Enter code** Enter your three-digit lock code.

2. **Press** ↵ or **press** SND to receive the call.

Tip: *If you have forgotten your lock code, try pressing* 1, 2 ABC, 3 DEF *or the last three digits of your cellular phone number.*

Emergency Call

With Emergency Call ON, you can use the Turbo Dial function to dial from memory location 01 even when the phone is locked. To make good use of this feature, store an emergency number or the phone number of a close relative or friend that you would like to contact in case of emergency. When using this feature, keep in mind:

- Some cellular systems have their own emergency numbers and do not allow access to emergency numbers like 911 (not available in some areas). Check with your cellular service provider for more information.
- With Theft Alarm ON, you need to unlock the phone before placing an emergency call.

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 9 WXYZ and continue with step 5.

You will see:

1. **Press** FCN then **press** → to enter the menu features. → Phone Book
2. **Press** ↓ to scroll to Lock/Security. → Lock Secure
3. **Press** → to select Lock/Security. → Theft AlrmOff
4. **Press** ↓ to scroll to Emergency Call. → Emergcy CallOff or Emergcy Call On
5. **Press** → to toggle the feature ON or OFF.
6. **Press** END to exit the menu, or you may scroll to other features.

Secure Options Sub-Menu

The Secure Options sub-menu contains a number of security-minded features to put your mind at ease. For your protection, you must enter the six-digit security code in order to access these features. The factory programmed lock code used to unlock the phone is 123 and the six-digit security code is 000000. These may have been changed at the time your phone was activated. If you need to refresh your memory, this feature displays the currently active three-digit lock code.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Lock/Security.	Lock Secure
3. Press ➔	to select Lock/Security.	Theft AlrmOff
4. Press ➔	to scroll to Secure Options.	Secure Options
5. Press ➔	to enter the sub-menu.	Code _____
6. Enter code	Enter your six-digit security code to continue.	View LocCode
7. Press ➔	to display your three-digit lock code. It appears for a few seconds.	LocCode XXX
8. Press END	to exit the menu, or you may scroll to other features.	

View Lock Code

Shortcut
Press FCN then press the Smart Button, then 5 JKL LOCK, 5 JKL LOCK and continue with step 5.

Secure Options Sub-Menu

Change Lock Code

If you would like to change your three-digit lock code, this feature is for you!

Shortcut
Press FCN then press the Smart Button, then 5 JKL LOCK, 4 GHI and continue with step 5.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ↓ ➔	to scroll to Lock/Security.	Lock Secure
3. Press ➔	to select Lock/Security.	Theft AlrmOff
4. Press ↓ ➔	to scroll to Secure Options.	Secure Options
5. Press ➔	to enter the sub-menu.	Code _____
6. Enter code	Enter your six-digit security code to continue.	View LocCode
7. Press ↓ ➔	to scroll to Change Lock Code.	Change LocCode
8. Press ➔	to select this feature.	Enter Code___
9. Enter code	Enter the new three-digit code. It is displayed for a few seconds.	Changed To XXX
10. Press END	to exit the menu, or you may scroll to other features.	

Secure Options Sub-Menu

You may want to restrict call placement or hide memory information when loaning your phone to others. Each of your phone's eight service levels offers a different combination of access privileges and restrictions—choose the one that's right for you!

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Lock/Security.	Lock Secure
3. Press ➔	to select Lock/Security.	Theft AlrmOff
4. Press ➔	to scroll to Secure Options.	Secure Options
5. Press ➔	to enter the sub-menu.	Code _____
6. Enter code	Enter your six-digit security code to continue.	View LocCode
7. Press ➔	to scroll to Service Level.	Service Level X
8. Press ➔	to select this feature. The phone will display your current service level. (See the chart on page 95.)	

Continued on page 94.

Service Level

Shortcut
Press FCN then press the Smart Button, then 5 JKL LOCK, 1 and continue with step 5.

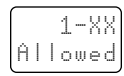
Service Level

9. Press ↠ or ↠ to scroll through the Service Level settings.

10. Press ↠ to select the service level you want.

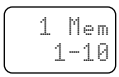
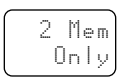
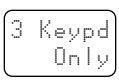
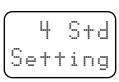
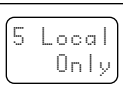
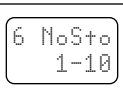
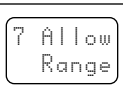
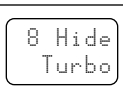
If you select Level 7, the phone will prompt you for the range of memory locations you want to remain active.

Enter digits Enter the range of memory locations from which calls will be allowed. The phone will confirm the allowed range.



11. Press END to exit the menu, or you may scroll to other features.

Secure Options Sub-Menu

Level 1: Calls can be placed from memory locations 1-10 only. • No dialing from keypad. • No memory edit or storage. • No access to alphabetic memory.	
Level 2: Calls can be placed from all memory locations. • No dialing from keypad. • No memory edit or storage.	
Level 3: Calls can be placed manually from the keypad only. • No access to memory information. • No memory edit or storage.	
Level 4: This is the standard setting. • No Restrictions.	
Level 5: Seven-digit (local) dialing is allowed only. DTMF tones will not be transmitted to prevent calling card calls.	
Level 6: Calls can be placed from the keypad and from memory. • No edit or memory storage to memory locations 1-10. • Memory cannot be changed.	
Level 7: Calls can be placed from a selected memory range only. • Memory edit and storage allowed within the selected range. • No access to alphabetic memory.	
Level 8: No edit, storage or recall from memory locations 1-10.	

Service Level Settings

Secure Options Sub-Menu

Master Reset

Use this feature to reset all user-selectable options back to the original factory setting.

Keep in Mind: Once you select this feature, the reset process cannot be canceled or reversed.

Shortcut
Press FCN then press the Smart Button, then 5 JKL LOCK, 2 ABC and continue with step 5.

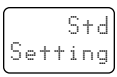
		You will see:
1. Press FCN	then **press** → to enter the menu features.	Phone Book
2. Press ↓ →	to scroll to Lock/Security.	Lock Secure
3. Press →	to select Lock/Security.	Theft AlrmOff
4. Press ↓ →	to scroll to Secure Options.	Secure Options
5. Press →	to enter the sub-menu.	Code _____
6. Enter code	Enter your six-digit security code to continue.	View LocCode

Secure Options Sub-Menu

7. Press to scroll to Master Reset.

8. Press END to exit the menu if you do not want to reset your phone's options.

Press if you want to reset all your phone's options back to their factory settings.



9. Press END to exit the menu, or you may scroll to other features.

Master Reset

Secure Options Sub-Menu

Master Clear

If you want to start with a clean slate, use Master Clear to reset all user-selectable options, clear the resettable timer and erase all Phone Book information.

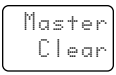
Keep in Mind: Once you select this feature, the process cannot be canceled or reversed.

Shortcut
Press FCN then press the Smart Button, then 5 JKL LOCK, 3 DEF and continue with step 5.

		You will see:
1. Press FCN	then **press** → to enter the menu features.	Phone Book
2. Press ↓ →	to scroll to Lock/Security.	Lock Secure
3. Press →	to select Lock/Security.	Theft AlrmOff
4. Press ↓ →	to scroll to Secure Options.	Secure Options
5. Press →	to enter the sub-menu.	Code _____
6. Enter code	Enter your six-digit security code to continue.	View LocCode

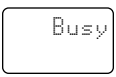
Secure Options Sub-Menu

7. Press to scroll to Master Clear.



8. Press END to exit the menu if you do not want to clear your phone's memory and reset its options.

Press if you want to clear the memory and reset all your phone's options back to their factory settings. This will take a few seconds.



9. Press END to exit the menu, or you may scroll to other features.

Master Clear

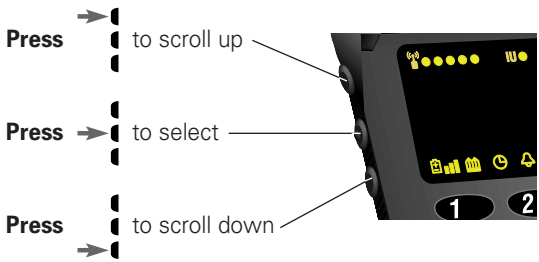
Phone Options

The Phone Options menu is your "command center" for adjusting the way your phone sends and receives calls. You can tweak your system for optimal performance, view information about the phone's settings and choose from a number of convenient features.

In this chapter you will learn how to:

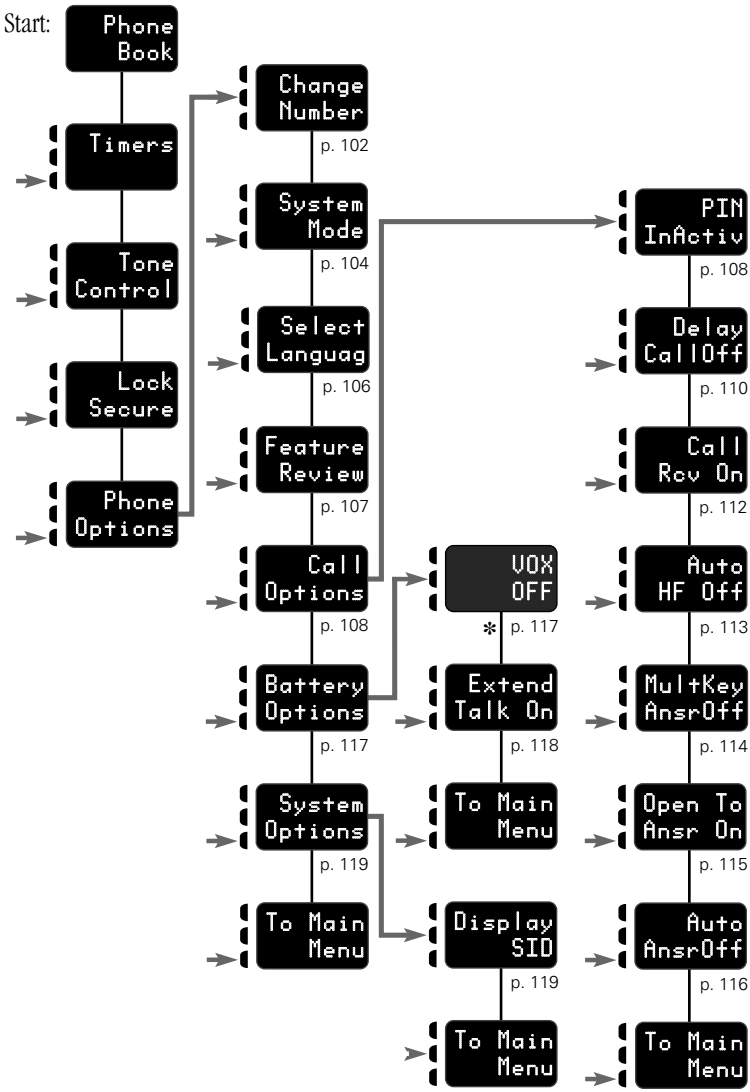
- switch cellular phone numbers.
- select the system mode.
- review your phone's feature settings.
- place calls automatically at a later time.
- select features for vehicular use.
- conserve battery power, and much more.

Note: Follow these symbols as a guide for using the keys on the side of your phone.



Road Map

Press FCN then press → to enter the menu system.



* This feature is not available in many areas. It does not appear in your display unless it has been turned ON by your cellular service provider.

Change Your Phone Number

Your phone can operate on two different home systems. If you travel often, you can have your phone programmed with two cellular numbers to reduce roaming. This feature allows you to change your active number to the one appropriate for the area you're in.

When your phone has two numbers, both are designated as your home system but only one number can be active at any given time. Calls are placed and received by the currently active number only. Each time you turn your phone ON, you'll see a message in the display that indicates which phone number and home system are currently active:

Non-wireline type with phone number 1	A1
Non-wireline type with phone number 2	A2
Wireline with phone number 1	B1
Wireline with phone number 2	B2

In most areas, there are two competing cellular carriers, the "wireline" carrier and the "non-wireline" carrier. If your cellular service is from the non-wireline carrier, the display will indicate that your home system is system A. If your cellular service is from the wireline carrier, the display will indicate that your home system is system B.

Change Your Phone Number

You will see:

1. **Press** FCN then **press** → to enter the menu features.
   Phone Book
2. **Press** ↓ to scroll to Phone Options.
   Phone Options
3. **Press** → to select Phone Options.
   Change Number
4. **Press** → to select the Change Number feature.
5. **Press** ↓ to switch to your other phone number.
6. **Press** → to confirm the new setting.
   Set
7. **Press** END to exit the menu, or you may scroll to other features.

Shortcut
Press RCL then # ▶, STO to switch to your other phone number.

System Mode

Your cellular service provider configures this feature when you receive a cellular phone number. If you want to get into the nitty-gritty of your cellular phone's operation, read on. System Mode allows you to select the type of cellular system your phone will access.

Shortcut 1
Press RCL then ◄ * and continue with step 6.

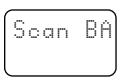
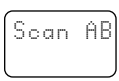
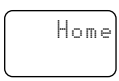
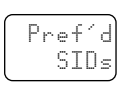
Shortcut 2
Press FCN then press the Smart Button, then 2 ABC, 3 DEF and continue with step 5.

You will see:

1. **Press** FCN then **press** → to enter the menu features. → Phone Book
2. **Press** ↓ to scroll to Phone Options. → Phone Options
3. **Press** → to select Phone Options. → Change Number
4. **Press** ↓ to scroll to System Mode. → System Mode
5. **Press** → to select the System Mode feature.
6. **Press** ↓ to scroll through the system mode settings. (See the chart on the next page for a description of System Mode Settings.)
7. **Press** → to select the system mode setting you want.
8. **Press** END to exit the menu, or you may scroll to other features.

System Mode

System Mode Settings

Standard Mode: Your phone first seeks a home type system, then a non-home type system. *If home system is non-wireline (type A)* ◄ *If home system is wireline (type B)* ◄	
Reversed Preference Mode: Your phone first seeks a non-home type system, then a home type system. (This mode may be useful in fringe areas or certain roaming situations.) *If home system is non-wireline (type A)* ◄ *If home system is wireline (type B)* ◄	 
Home Only Mode: Phone will not operate outside its home system.	
Scan A Mode: Phone will operate only within non-wireline (A) systems.	
Scan B Mode: Phone will operate only within wireline (B) systems.	
Preferred System ID Mode: Phone tries to operate within specifically identified systems first. You can enter up to fifteen System ID numbers that identify the systems that you want your phone to access.	

Select Language

Want to practice your language skills? Select Language allows you to change the language used for all the prompts in your phone.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Phone Options.	Phone Options
3. Press ➔	to select Phone Options.	Change Number
4. Press ➔	to scroll to Select Language.	Select Languag
5. Press ➔	to select the Select Language feature.	
6. Press ➔	to scroll through the language options.	
7. Press ➔	to select the language setting you want.	
8. Press END	to exit the menu, or you may scroll to other features.	

Feature Review

After you've spent some time adjusting your phone's settings, use this feature to review the selections you've made. When you enter the Feature Review, your phone will display any features that you have changed from their default factory settings.

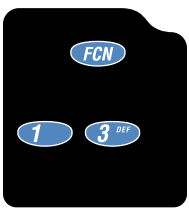
Keep in mind: Feature Review is an opportunity to review all your current settings. Settings cannot be changed while scrolling through Feature Review.

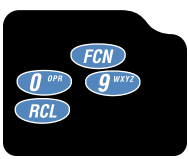
You will see:

1. **Press** FCN then **press** → to enter the menu features. → Phone Book
2. **Press** → to scroll to Phone Options. → Phone Options
3. **Press** → to select Phone Options. → Change Number
4. **Press** → to scroll to Feature Review. → Feature Review
5. **Press** → to select Feature Review.

   If all of your phone's features are set to their default settings, continue with step 7. → Std Setting

6. **Press** → to scroll through any features you have changed from their default settings.
7. **Press** END to exit the menu, or you may scroll to other features.





Call Options Sub-Menu

PIN Code

The Call Options sub-menu contains special features that control the way your phone places and receives calls.

Your cellular carrier may require a Personal Identification Number (PIN) when placing calls. This code assures the cellular system that the person calling is an authorized user. Ask your cellular service provider if a PIN is required by your system. If so, you will need to activate this feature before you can place calls. If you enter a service area which does not require a PIN code, make sure PIN Inactive is set.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Phone Options.	Phone Options
3. Press ➔	to select Phone Options.	Change Number
4. Press ➔	to scroll to Call Options.	Call Options
5. Press ➔	to enter the sub-menu.	PIN InActiv or PIN Activ
6. Press ➔	to toggle the feature ON or OFF.	
7. Press END	to exit the menu, or you may scroll to other features.	

Call Options Sub-Menu

PIN Code

The following feature will allow you to automatically send your PIN code with all outbound calls.

Store PIN Code in Memory Location 07

You will see:

1. **Enter PIN code.**
2. **Press** STO — Locatn
3. **Press** 0 OPR , 7 PQRS — Alpha Or +
4. **Press** STO **or** + — Stored at 07

Place a Call With PIN Code Active

1. **Enter number** — Enter number to be called, or recall from memory.
2. **Press** SND **or Press & hold** → — wait for double tone – "beep, beep".
3. **Press** SND **or Press** → — The phone will automatically send the PIN code stored in memory location 07.

If you see Invalid PIN, check to see if you have activated the feature in the menu without storing a PIN number in memory location 7. The PIN code must be less than seven digits.

Call Options Sub-Menu

Delayed Call Placement (optional)

This handy feature will automatically place a call for you at a later time. If you know that you need to call someone soon, enter the number you want to call and the delay time in minutes—your phone will help you keep your telephone appointment! Your phone will ring or vibrate once to let you know the call has been placed and you can begin talking.

Keep in mind: The phone number you enter for delayed call placement will be stored in memory location 99 of your Phone Book and will overwrite any information already in that location!

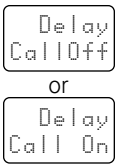
Shortcut
Press FCN then press the Smart Button, then 2 ABC, 2 ABC and continue with step 6 on the next page.

		You will see:
1. Press FCN	then **press** → to enter the menu features.	Phone Book
2. Press ↓ →	to scroll to Phone Options.	Phone Options
3. Press →	to select Phone Options.	Change Number
4. Press ↓ →	to scroll to Call Options.	Call Options

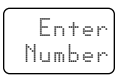
Call Options Sub-Menu

Delayed Call Placement (optional)

5. Press → to enter the sub-menu.



6. Press → to toggle the feature ON or OFF. When you turn this feature ON, the display will prompt you for a telephone number.



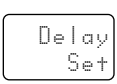
7. Press → to see the previously stored number if you entered one earlier. If you want this number to be called, continue with step 8.

or

Enter number Enter the number you want to call later.

8. Press → when you finish entering the number.

9. Enter minutes Enter the number of minutes (0-99) you would like the phone to wait before placing the call.



Press → if you entered only one digit.

10. Press END to exit the menu, or you may scroll to other features.

Call Options Sub-Menu

Call Receive (optional)

There are times when you can't be bothered. Turn this feature OFF to disable call reception. Your phone will inform you of incoming calls without receiving them. While this feature is ON, your display will indicate number of calls.

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 1 and continue with step 7.

You will see:

1. **Press** FCN then **press** → to enter the menu features.
   Phone Book
2. **Press** → to scroll to Phone Options.
   Phone Options
3. **Press** → to select Phone Options.
   Change Number
4. **Press** → to scroll to Call Options.
   Call Options
5. **Press** → to enter the sub-menu.
   Delay CallOff
   or
   Delay Call On
6. **Press** → to scroll to Call Receive.
   Call RcvOff
   or
   Call Rcv On
7. **Press** → to toggle the feature ON or OFF.
8. **Press** END to exit the menu, or you may scroll to other features.

Call Options Sub-Menu

Automatic Hands-Free

Turn this feature ON when you are using Hands-Free vehicular accessories. To find out more about accessories for your car, turn to page 139.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Phone Options.	Phone Options
3. Press ➔	to select Phone Options.	Change Number
4. Press ➔	to scroll to Call Options.	Call Options
5. Press ➔	to enter the sub-menu.	Delay Call Off or Delay Call On
6. Press ➔	to scroll to Automatic Hands-Free.	Auto HF Off or Auto HF On
7. Press ➔	to toggle the feature ON or OFF.	
8. Press END	to exit the menu, or you may scroll to other features.	

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 8 TUV, and continue with step 7.

Call Options Sub-Menu

Multiple Key Answer

Why fumble for the SND key to answer calls when you can have it all? With Multiple Key Answer ON, you can answer calls by pressing the Smart Button, any key on the upper keypad 1 - #, or the upper and lower volume keys.

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 0 OPR and continue with step 7.

		You will see:
1. **Press** FCN	then **press** → to enter the menu features.	Phone Book
2. **Press** ↓	to scroll to Phone Options.	Phone Options
3. **Press** →	to select Phone Options.	Change Number
4. **Press** ↓	to scroll to Call Options.	Call Options
5. **Press** →	to enter the sub-menu.	Delay Call Off or Delay Call On
6. **Press** ↓	to scroll to Multiple Key Answer.	MultKey AnsrOff or MultKey Ansr On
7. **Press** →	to toggle the feature ON or OFF.	
8. **Press** END	to exit the menu, or you may scroll to other features.	

Call Options Sub-Menu

Your phone company may offer services like Caller Line Identification that may make it handy to be able to see the display before answering the call. By setting Open to Answer OFF, you can open the phone to see the message in the display and then answer the call by pressing SND or the Smart Button!

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Phone Options.	Phone Options
3. Press ➔	to select Phone Options.	Change Number
4. Press ➔	to scroll to Call Options.	Call Options
5. Press ➔	to enter the sub-menu.	Delay Call Off or Delay Call On
6. Press ➔	to scroll to Open to Answer.	Open To Ansr On or Open To Ansr Off
7. Press ➔	to toggle the feature ON or OFF.	
8. Press END	to exit the menu, or you may scroll to other features.	

Call Options Sub-Menu

Automatic Answer

Easier still, turn Auto Answer ON to have your phone automatically answer incoming calls after two rings.

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 6 MNO MUTE and continue with step 7.

You will see:

1. **Press** FCN then **press** → to enter the Menu Features.
   Phone Book
2. **Press** ↓ → to scroll to Phone Options.
   Phone Options
3. **Press** → to select Phone Options.
   Change Number
4. **Press** ↓ → to scroll to Call Options.
   Call Options
5. **Press** → to enter the sub-menu.
   Delay CallOff
   or
   Delay Call On
6. **Press** ↓ → to scroll to Automatic Answer.
   Auto AnsrOff
   or
   Auto Ansr On
7. **Press** → to toggle the feature ON or OFF.
8. **Press** END to exit the menu, or you may scroll to other features.

Tip: *If the ringer and VibraCall functions are OFF, your phone will answer without ringing or vibrating.*

Battery Options Sub-Menu

This feature is not available in most areas. It does not appear in your display unless it has been turned ON by your cellular service provider.

Normally, your phone's transmitter is active throughout the duration of a call. You will conserve battery power with this feature ON, because your phone's transmitter will be active only when you are talking.

You will see:

1. **Press** FCN then **press** to enter the menu features. → Phone Book
2. **Press** to scroll to Phone Options. → Phone Options
3. **Press** to select Phone Options. → Change Number
4. **Press** to scroll to Battery Options. → Battery Options
5. **Press** to enter the sub-menu. → Vox Off or Vox On
6. **Press** to toggle the feature ON or OFF.
7. **Press** END to exit the menu, or you may scroll to other features.

Voice Operated Transmission (VOX)

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 4 GHI, and continue with step 6.

Battery Options Sub-Menu

Extended Talk-time

Here's a bonus feature for when you're in strong signal areas. Turn the Extended Talk-time feature ON and receive extra talk-time from your phone's battery!

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 5 JKL LOCK and continue with step 7.

		You will see:
1. Press FCN	then **press** → to enter the menu features.	Phone Book
2. Press ↓ →	to scroll to Phone Options.	Phone Options
3. Press →	to select Phone Options.	Change Number
4. Press ↓ →	to scroll to Battery Options.	Battery Options
5. Press →	to enter the sub-menu.	Vox Off
6. Press ↓ →	to scroll to Extended Talk-time.	Extend TalkOff or Extend Talk On
7. Press →	to toggle the feature ON or OFF.	
8. Press END	to exit the menu, or you may scroll to other features.	

System Options Sub-Menu

Display System Identification (SID)

This feature will show you the System ID number (SID) that identifies the cellular system your phone is currently accessing. An even number indicates a wireline system and an odd number indicates a non-wireline system.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press	to scroll to Phone Options.	Phone Options
3. Press ➔	to select Phone Options.	Change Number
4. Press	to scroll to System Options.	System Options
5. Press ➔	to enter the sub-menu.	Display SID
6. Press ➔	to view the System ID number. After six seconds, the phone will go back to step 5.	
7. Press END	to exit the menu, or you may scroll to other features.	

Shortcut
Press FCN then press the Smart Button, then 2 ABC, 7 PQRS and continue with step 6.

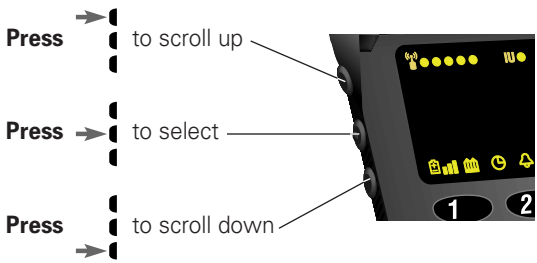
Digital Message

Scroll over to the Message Menu for easy access to your VoiceNote™ and Digital Messages. Some cellular carriers let you subscribe to a Digital Message Service that allows you to use your cellular phone like a pager. Ask your cellular service provider for information about the availability of messaging in your area.

In this chapter you will learn how to:

- work with your VoiceNote™ answering machine, memo recorder and call recorder.
- view your digital messages.
- set reminder tones or vibrations to remind you of pending messages.

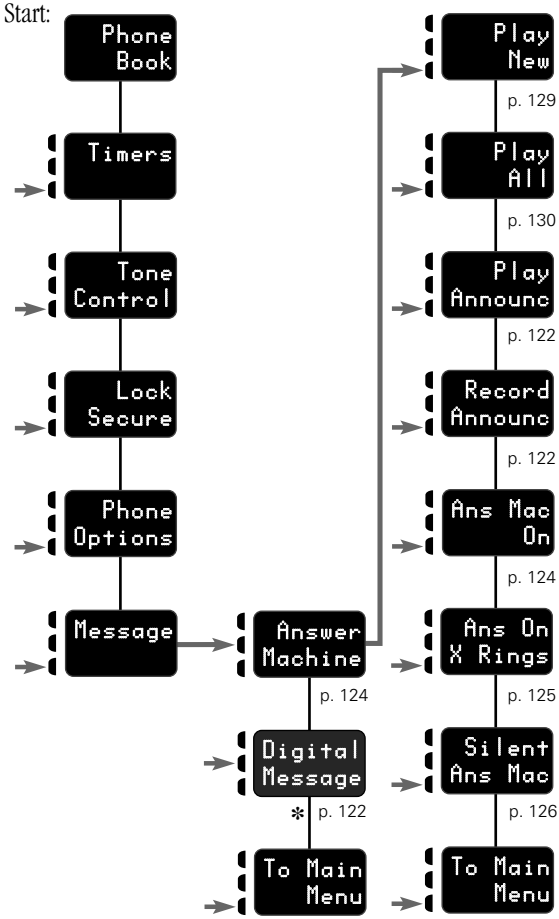
Note: Follow these symbols as a guide for using the keys on the side of your phone.



Note: Follow these symbols as a guide for using the VoiceNote™ record button on the top of your phone.

Road Map

Press FCN then press → to enter the menu system.



* This feature is not available in most areas.

VoiceNote™ Recorder

Your new StarTAC 8600 contains a 4 minute digital voice recording chip that allows the phone to perform three different functions with the VoiceNote™ feature:

- **Digital Answering Machine** - The built answering machine allows the user to leave an announcement message for callers and to record a message from them.
- **Voice Memo feature** - Leave yourself a reminder message in your own voice ("Pick up milk on the way home")!
- **Call Record feature** - Record the incoming portion of a telephone conversation (record those directions to the customer office or the phone number given by information instead of writing them down).

Note Use of this function is subject to varying state and federal laws regarding privacy of phone conversations (see page 141).

Recording Announcement

Answering Machine

Your built-in answering machine can record a message in your voice to greet people who call your phone.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to the Message menu.	Message
3. Press ➔	to select Message.	Answer Machine

4. Press to select Answer Machine

```
Play
New
```

5. Press to scroll to Record Announcement.

```
Record
Announc
```

6. Press to select to Record Announcement.

```
Rcrding
Announc
```

7. Listen for the beep. After the beep, record your message, speaking into the phone as you would normally. When you have finished speaking:

8. Press #▶

```
Playing
Announc
```

9. The phone will play back the message you just recorded.

```
Record
Announc
```

10. Press END to exit the menu, or you may scroll to other features.

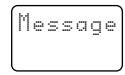
Answering Machine On/Off

When using this feature, you can choose whether your answering machine will pick up unanswered calls or not.

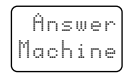
You will see:

1. **Press** FCN then **press** ➔ to enter the menu features.

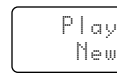
2. **Press** ➔ to scroll to the Message menu.



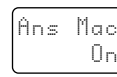
3. **Press** ➔ to select Message.



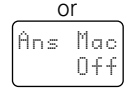
4. **Press** ➔ to select Answer Machine



5. **Press** ➔ to scroll to Answer Machine



or



6. **Press** ➔ to toggle the feature ON or OFF.

7. **Press** END to exit the menu, or you may scroll to other features.

Set Number of Rings

You can determine how many rings it takes before the answering machine picks up the call.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to the Message menu.	Message
3. Press ➔	to select Message.	Answer Machine
4. Press ➔	to select Answer Machine	Play New
5. Press ➔	to scroll to Ring Numbersetting.	Ans On 3 Rings
6. Press ➔	to select Ring Numbersetting.	Enter # Rings
7. Enter Number	**Press** 1 through 9 WXYZ to indicate how many rings you would like. For example, pressing 4.	# Rings 4
8. Press ➔	to confirm this setting.	4 Rings Set
9. Press END	to exit the menu, or you may scroll to other features.	

Audible Answering Machine Feature

Sometimes you may want to be able to listen in while someone leaves a message on your answering machine. By setting this feature ON, you can listen on the earpiece. If you decide you want to answer the call, simply press SND or the Smart Button.

		You will see:
1. **Press** FCN	then **press** ➔ to enter the menu features.	Phone Book
2. **Press** ➔	to scroll to the Message menu.	Message
3. **Press** ➔	to select Message.	Answer Machine
4. **Press** ➔	to select Answer Machine	Play New
5. **Press** ➔	to scroll to Audible/Silent Answering Machine.	Silent Ans Mac or Audible Ans Mac
6. **Press** ➔	to toggle between silent and audible modes.	
7. **Press** END	to exit the menu, or you may scroll to other features.	

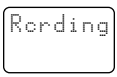
Recording a Voice Memo

Voice Memo Feature

Your phone can store up to 4 minutes of messages including voice messages that you leave for yourself!

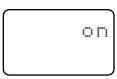
You will see:

1. **Press** VoiceNote Record Button.



2. A tone will sound in the earpiece. After the tone, leave your message by speaking normally into the phone. When you have finished recording:

3. **Press** VoiceNote Record Button.



You have now left a voice memo message and the Message icon will be blinking.

Note: You can also press FCN , 7 PQRS instead of the VoiceNote Record Button to toggle recording ON and OFF. This may be useful when you can't reach the VoiceNote Button if it is in a car kit.

Note: If you have not recorded an answering machine announcement, the phone will automatically take you there the first time you try to use either the voice memo or call record features. You will be taken to Step 6 on page 123 (Recording Announcement).

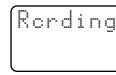
Recording a Phone Call

Call Record Feature

You can also record the other people in a phone call if you use the VoiceNote Call Record feature. This is really handy for remembering things like phone numbers and directions!

You will see:

1. **Press** VoiceNote Record Button when you are in a call.



2. The other people on the line will hear a beep every 15 seconds to let them know they are being recorded. When you hav e finished recording:

3. **Press** VoiceNote Record Button.

You have now recorded a phone call and the Message icon will be blinking.

Note: You can also press FCN , 7 PQRS instead of the VoiceNote Record Button to toggle recording ON and OFF. This may be useful when you can't reach the VoiceNote Button if it is in a car kit.

Note: If you have not recorded an answering machine announcement, the phone will automatically take you there the first time you try to use either the voice memo or call record features. You will be taken to Step 6 on page 123 (Recording Announcement).

Playing Back VoiceNote™ Messages

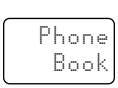
Now that you've recorded some answering machine, voice memo and phone call VoiceNote messages, you can play them back at any time!

You can choose to play only new messages that you haven't heard yet.

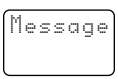
Playing New Messages

You will see:

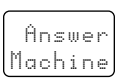
1. Press FCN then **press** ➔ to enter the menu features.



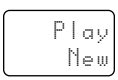
2. Press ➔ to scroll to the Message menu.



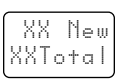
3. Press ➔ to select Message.



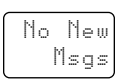
4. Press ➔ to select Answer Machine



5. Press ➔ to select Play New.



If you have no new messages,



6. The new messages will play back, beginning with the oldest.

7. Press ◄* or #► to scroll through the messages.

8. After the last message has played you have an option to delete all messages.

```
CLR To
Erase
```

9. **Press** CLR to delete all messages.

```
Msgs
Erased
```

10. **Press** END to exit without deleting your messages.

Playing All Messages

You can also choose to play all messages regardless of whether they are new or not!

You will see:

1. **Press** FCN then **press** ➔ to enter the menu features.

```
Phone
Book
```

2. **Press** ➔ to scroll to the Message menu.

```
Message
```

3. **Press** ➔ to select Message.

```
Answer
Machine
```

4. **Press** ➔ to select Answer Machine

```
Play
New
```

5. **Press** ➔ to scroll to Play All Messages.

```
Play
All
```

6. **Press** ➔ to select Play All Messages.

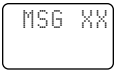
```
XX New
XXTotal
```

If you have no messages,

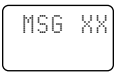
```
No
Msgs
```

Shortcut
Press FCN then press STO and continue with step 8 if you have messages.

7. All messages will play back beginning with the oldest message.

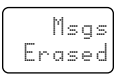


8. Press ◀ * or # ▶ to scroll through the messages.



9. After the last message has played you have an option to delete all messages.

10. Press CLR to delete all messages.



11. Press END to exit without deleting your messages.

Digital Message Access

If your cellular service provider offers Digital Messaging Services, you can use this feature to view your messages. The service allows your cellular phone to receive messages like a pager. Callback messages, short text messages and calling-line identification numbers can all be stored for your review. Your phone saves up to 20 messages, and replaces the oldest messages with new messages as they are received.

When you access this feature, you can view messages you have received, immediately place calls or store the numbers into your Phone Book's memory. (For more information on your phone's internal Phone Book, see page 50.)

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to the Message menu.	Message
3. Press ➔	to select Message.	Digital Message
4. Press ➔	to select Digital Message. The display will show you how many unviewed and total messages you have received.	XX New YYTotal
	If you have no messages, continue with step 7.	No Msgs

Digital Message Access

5. Press or to scroll through the messages, beginning with the most recent.

6. Press & hold or **press** SND to call a number when it is in the display.

or

Press STO to begin storing a number into memory. Continue storing with step 3 on page 42.

or

Press & hold CLR to erase the message in the display.

```
  Entry
Deleted
```

Keep holding CLR if you want to delete all of your messages.

```
 Erase
 All?
```

or

Press **or press** CLR to delete all of your messages.

7. Press END to exit the menu, or you may scroll to other features.

Shortcut
Press RCL then press & hold RCL and continue with step 5 if you have messages.

Digital Message Reminder

When your StarTAC cellular phone receives an incoming digital message, a tone will notify you. If your phone is set to vibrate, using the VibraCall function (page 80), you will feel your phone vibrate to notify you of an incoming digital message.

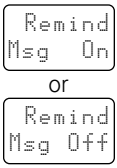
If you are unable to immediately view a new message, you have the option to set reminder tones or vibrations, which repeat every two minutes. These reminders are especially helpful in jogging your memory if you're either busy at the time when your digital message arrives or are temporarily away from your phone.

Remember that this Digital Message Reminder feature is only available if your cellular service provider offers Digital Message Access.

		You will see:
1. Press FCN	then **press** ➔ to enter the menu features.	Phone Book
2. Press ➔	to scroll to Tone Controls.	Tone Control
3. Press ➔	to select Tone Controls.	Ring Or Vib Sel

Digital Message Reminder

4. Press to scroll to Digital Message Reminder.



5. Press to toggle the feature ON or OFF.

6. Press END to exit the menu, or you may scroll to other features.

Accessory Options

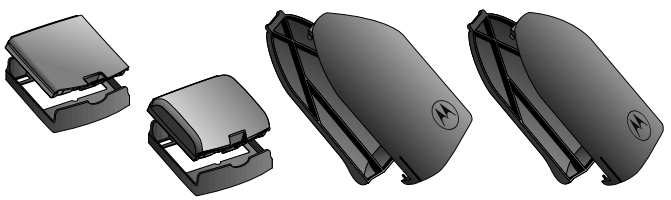
An exciting line of StarTAC phone accessories, now smaller and lighter than ever, can enhance and personalize your cellular experience.

Batteries

Lithium Ion batteries are different from other batteries in that you can leave them in the charger as long as you like. Nickel Metal Hydride batteries should not be left in the charger for more than 24 hours.

If your cellular phone is quickly becoming your companion, an optional auxiliary battery will give your phone a boost. Auxiliary batteries attach to the back of your phone and provide extra talk-time in addition to your main battery.

See page 20-23 for battery talk-times and standby-times.



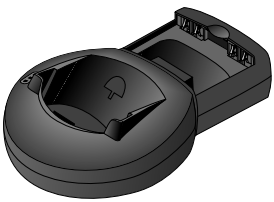
Cigarette Lighter Adapter

With the cigarette lighter adapter, you can power your phone and charge your phone's battery directly from your vehicle's cigarette lighter! In some cars, the engine must be running in order for the cigarette lighter to operate.

Accessory Options

Desktop Charger (AC Adapter required)

The desktop charger is designed for optimal performance and compatibility with Motorola's new generation of cellular telephones. The desktop charger's front pocket can charge batteries while they are attached to your phone, and the rear pocket can charge batteries separately. Now it's easy to rotate batteries and always have a charged spare.



Holster

The StarTAC phone is so small and light, it's positively wearable. Slip it in and clip it on—for the ultimate in high-tech fashion.

Headset

The convenient headset provides both an earphone and microphone in one small piece for simple hands-free and private telephone conversations. The headset plugs directly into the jack on the top of your phone, so that you can wear your phone and move freely. Place the foam cover on the earpiece for a more comfortable fit.

When you use the headset, your phone's intelligent circuitry automatically enables the Multiple Key Answer feature (page 114), so you can answer calls with any key on the side of your phone. You can even use the Smart Button to end calls (page 30). You'll never need to open your phone to take a call.

Accessory Options

PCMCIA Modems

These compact modems are made for mobility and plug directly into the bottom of your StarTAC phone, so you can send and receive FAXes, e-mail and data. The PCMCIA modem works with data devices using a standard PCMCIA Type II slot.

Hands-Free Vehicle Kit

The optional Hands-Free Kits give you the convenience of hands-free, speaker phone operation while in your car. Full duplex operation lets you simultaneously talk and listen, so both parties can interrupt each other for a normal sounding conversation.

The Hands-Free Kit powers the phone and charges its battery whenever your car's engine is running. An optional external antenna can improve your signal reception and boost performance.

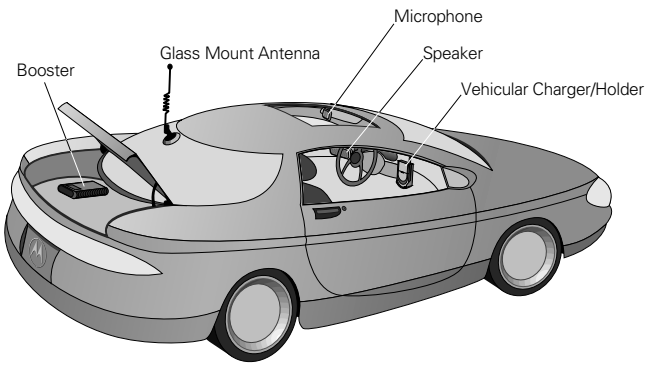
Accessory Options

3-Watt Vehicular Kit

The 3-Watt Vehicular Kit for the StarTAC phone delivers a full 3 watts of power. This booster works behind the scenes to increase performance, especially in fringe areas.

Vehicular Kit components:

- Hands-Free phone holder with battery charger
- External microphone
- Optional external speaker
- Optional 3-watt booster
- External antenna (not included)



We recommend you use genuine Motorola batteries and accessories. Under its cellular telephone warranty, Motorola specifically disclaims any responsibility for damage caused by the use of portable cellular telephone accessories not manufactured by Motorola.

Regulations and Precautions

The U.S. Federal Communications Commission and the Canadian Department of Communications regulate cellular radiotelephone service in their respective countries. It is important for you, the cellular radiotelephone user, to observe the applicable regulations when operating your cellular phone in either country. In addition to these U.S. and Canadian federal regulations, you may also be bound by certain state, provincial, territorial, and local rules and regulations, as well as by your cellular service provider's tariff (the rates, terms, and conditions of its service). If you wish to use your cellular radiotelephone in both the U.S. and Canada, please consult with your system operator. You should remember that your cellular telephone is a radiotelephone, i.e., it combines both landline technology, as used in your home or office telephone system, and radio technology—and that the scope of regulations and precautions is therefore broader than the scope of regulations and precautions relating to landline-only usage.

Some of the major points of consideration are set out below. Please note, however, that this 'Regulations and Precautions' section does not constitute legal advice and is intended merely for general information purposes. If you have any specific questions, please contact your cellular service provider.

License If your home system is in the U.S., you do not require a separate license to operate your cellular radiotelephone. Obtaining a cellular telephone access number is sufficient to register you as a user. If your home system is in Canada, a separate license is required. Your carrier will assist you in the licensing process. If you wish to use your cellular telephone in both the U.S. and Canada, please contact your cellular service provider.

Denial of Service A cellular service provider may deny service temporarily or terminate service for violation of any governmental regulations or its tariff.

Magnetic Storage Media Your phone contains a magnet. Do not place your phone in close proximity to magnetic storage media such as diskettes or credit cards for extended periods of time.

Driving Some jurisdictions prohibit your using a cellular telephone while driving a vehicle. Even if your jurisdiction does not have such a law, we strongly suggest that, for safety reasons, the driver use extreme caution when operating the cellular telephone while the vehicle is in motion (see page 9).

Regulations and Precautions

Consumer Responsibilities Remember that landline and radio regulations with respect to harassing calls, false distress calls, obscene language, etc. apply to cellular phone usage.

Privacy As a telephone user, you have come to assume a certain standard of privacy when you place or receive a telephone call via the traditional landline systems. However, because cellular radiotelephones utilize radio transmissions to effect calls, the same standard cannot always be assured. While it is unlawful for any unauthorized person to divulge or use any information obtained from intercepting or 'listening in on' conversations intended for others, you should not assume that your conversation is completely secure. Commercially available scanning equipment can permit a third party to monitor the radio channels used for cellular telephone calls.

Recording As a convenience feature, this phone contains a device capable of recording the incoming portion of your conversation (i.e., the party(ies) to whom you are speaking). When recording a call, you will hear an automatic tone indicating to the other party(ies) that you are recording. Use of this function is subject to varying state and federal laws regarding the privacy of phone conversations. Please check the law in the juristiction where you will record.

Interference No person shall interfere with or cause interference to any radio communication or signal.

Equipment Modifications Both the U.S. Federal Communications Commission and the Canadian Department of Communications have type-approved the model of cellular radiotelephone which you have purchased, and both have allocated a specific frequency range for cellular service. No changes or adjustments are to be made to your cellular telephone.

Equipment Care Your Motorola cellular radiotelephone is designed for superior durability under normal use conditions. Protect your cellular telephone from water damage that could result from spills or excessive exposure to rain. Never submerge your cellular phone.

2,412 Channel Operation (NAMPS)

A high-capacity cellular technology, known as Narrow-Band AMPS (NAMPS), is available in some markets. This technology operates on a greater number of channels (2,412) than a standard AMPS system (832).

Your phone has a dual-mode capacity and will automatically operate on either a NAMPS cellular system or a standard AMPS cellular system.

Your cellular service provider may offer enhanced features relating to the NAMPS systems, such as Calling Line Identifier, Voice Mail Status, and Short Messaging.

These messages, when received by your phone, are stored in a special memory. To review the messages, press RCL then press & hold RCL then scroll through the memory.

Enhanced features and 2,412 channel operation are not available in all markets; check with your cellular service provider for details.

Q. I pressed the power button, but nothing happened. What's wrong with my phone?

A. Check that you have installed a battery and that the battery is charged. See pages 16-27 for more information about batteries for the StarTAC phone.

Q. My battery didn't last as long as I expected. What can I do to extend battery life?

A. Keep in mind that your battery's "talk-time" and "standby-time" are a relative measurement of the battery's capacity. The more you talk on the phone, the less standby-time you will have and vice versa.

To get the most from your battery, make sure it is fully charged. To charge the battery to 100% of its capacity, leave it in the charger for an extra hour after the charger's light turns green.

Certain features can demand power from your battery and reduce battery life. If you have selected the Automatic Display of Individual Call Timer feature, the display uses battery power to remain active during each call. Turn this feature OFF to conserve battery energy. (See page 72 for more information on this feature.)

Exposing your battery to extreme temperatures—below -10°C (14°F) or above 45°C (113°F)—can shorten battery life. Batteries are especially sensitive to high temperature extremes. As a good rule of thumb, always take your phone with you when you leave your car.

Q. The display says, "Locked." How do I unlock my phone?

A. Try entering the last three digits of your cellular number. If that doesn't work, try using the factory preset lock code: 123. If all else fails, call your cellular service provider (the company that sends you your monthly cellular bill) for assistance. (See page 84 for more information on your phone's Security Features.)

Troubleshooting

Q. I tried to place a call and received a fast busy signal.

A. This sound means that the cellular system did not process your call. For example, the cellular system may be overloaded with call attempts. To redial the number, press SND before ending your call attempt, or press END and try the call again later. (See page 36 for more information on redialing.)

Q. I tried to place a call and received an alternating high/low tone.

A. This sound means your call did not reach the cellular system. Most likely, you dialed the number too soon after turning the phone ON. Wait until the red NS light stops blinking before placing a call.

An alternating tone may also indicate that your phone's signal is blocked. Make sure the antenna is fully extended and move clear of any obstructions, like bridges, parking garages, tall buildings, etc.

Q. My phone started beeping and the display says: "Call 01." What happened?

A. This sound means that someone tried to call you while you were in an area where the cellular signal was weak. Press CLR to clear your display, extend your phone's antenna and avoid obstructions like tunnels, parking garages and tall buildings whenever possible.

Q. I am in my home service area but the Roam indicator is flashing.

A. If your phone is programmed with more than one telephone number, you might not have switched to the number appropriate for your current location. Press RCL , # ▶ , STO to switch to your other number.
(See page 102 for more information on multiple phone numbers.)

Q. I tried to read my Voice Mail (or use a paging service, a calling card, etc.) but nothing happened.

A. You have probably turned OFF the Scratchpad tones. Place your call, enter the access numbers when prompted by the recording, then press RCL , SND To avoid this problem in the future, follow the directions on page 83 to turn the Scratchpad tones ON.

Q. I tried to place a calling card call using the internal Phone Book, but it didn't work.

A. You may have turned OFF your Scratchpad tones. Follow the directions on page 83 to turn the Scratchpad tones ON.

Check that you stored your calling card information in the correct order, and make sure the groups of numbers are separated by pauses. The easiest way to correct the sequence may be to start from scratch. Follow the instructions on page 58, enter your calling card information again and store it in the same memory location as your previous attempt.

Also keep in mind that when using your calling card, you must enter the number you are calling with the area code, but without the initial "1." Check with your long distance carrier for details on using your calling card.

Q. My phone was stolen. What should I report and to whom?

A. Report a stolen phone to the police and to your cellular service provider (the company that sends you your monthly cellular service bills).

Glossary

A

AC adapter An accessory device that allows you to power your phone and charge any attached batteries from a wall outlet.

AMPS (Advanced Mobile Phone System) A cellular technology that operates on 832 channels.

accessory connector A socket on the bottom of the phone where you can attach accessories such as an AC adapter, battery charger, cigarette lighter adapter or data accessories.

air-time The amount of time you spend using a cellular system, between the time you successfully place a call and the termination of that call.

antenna The device on your phone that sends and receives cellular signals.

C

callback message A numeric message left by a caller, usually the caller's current phone number.

cellular carrier One of the two competing organizations in a given geographic area that owns and operates a cellular system.

cellular service provider A company affiliated with a cellular carrier that provides cellular service to its customers.

cellular signal The radio waves that carry information between your cellular phone and the cellular system.

cellular system The cellular equipment in a given geographic area that relays signals to and from individual cellular telephones and the landline telephone system.

cigarette lighter adapter An accessory device that allows you to power your phone and charge any attached batteries from a car's cigarette lighter.

D

DTMF tones See Dual Tone Multi-Frequency tones.

default A feature's original setting as pre-programmed in the factory.

digital message See callback message.

Dual Tone Multi-Frequency tones The tones that your telephone transmits when you press a key on the keypad. These tones are used to access automated calling systems such as Voice Mail, paging services, banking-by-phone, etc. These tones will also be heard by the party on the other line if you use the Scratchpad while a call is in progress. Synonymous with Scratchpad tones.

F

fringe area The outermost range of a cellular system where cellular signals are weak.

function keys The seven keys at the bottom of your phone's keypad used to perform specific tasks.

H

home system The local cellular system where you obtain your cellular service.

home type system A cellular system of the same type as your local cellular system. See also non-home type system, and system type.

I

indicator A light on your phone that gives you information about your phone's status.

icon A symbol at the bottom of the phone's display that corresponds to a main feature menu. See also main menu.

L

landline The telephone system used for conventional office and home phones.

Lithium Ion (LiIon) A battery technology used in personal cellular telephones. Lithium Ion batteries provide more energy capacity than Nickel Metal Hydride batteries of the same weight.

lock To prevent unauthorized access to the cellular telephone.

lock code A three-digit code used to unlock a locked phone.

M

memory location A space in the internal Phone Book where you can store a telephone number and a name. Each of the Phone Book's 99 memory locations (numbered 01-99) can hold up to 32 digits and 14 letters.

main menu The first level of the menu system hierarchy, which contains the six main feature menus: Phone Book, Call Timers, Tone Controls, Lock/Security, Phone Options, Digital Message.

menu feature Any feature that can be accessed through the menu system.

menu system The hierarchical arrangement of your phone's features that allows for quick, intuitive feature access.

modem An electronic device that allows a computer to send and receive data through a telephone line.

N

NAMPS (Narrow-Band AMPS) A high-capacity cellular technology, available in some areas, that operates on 2,412 channels. See also AMPS.

name directory An alphabetical list of the names and telephone numbers you have stored into your phone's internal Phone Book.

Nickel Metal Hydride (NiMH) A battery technology used in personal cellular telephone batteries.

non-home type system A system type different from your home system. See also home type system, and system type.

non-wireline See system type.

Number Character A special character used in a calling card sequence to save a place for the telephone number you will call when you use your calling card.

P

PIN See Personal Identification Number.

pause A special character that tells your phone to "pause" or wait for your input before sending a group of numbers stored in memory.

Personal Identification Number (PIN) A private numeric "password" that allows you to access some cellular systems or automated systems such as telephone banking, while preventing unauthorized use.

prompt A message requesting input.

R

road map The visual representation of your phone's menu system provided throughout this manual.

roam To use a cellular system outside of your home system, usually when you travel beyond the range of your home system.

S

SID See System Identification.

Scratchpad A memory feature that automatically remembers the most recent number entered into the keypad.

Scratchpad tones The tones that your telephone transmits when you press a key on the keypad. These tones are used to access automated calling systems such as Voice Mail, paging services, banking-by-phone, etc. These tones will also be heard by the party on the other line if you use the Scratchpad while a call is in progress. Synonymous with Dual Tone Multi-Frequency tones.

scroll To move backward or forward through a list; for example: to move backward or forward through the menu system or the name directory using either the side keys or the ◀ * and # ▶ keys.

security code A six-digit code used to access sensitive features in the Secure Options sub-menu of the Lock/Security menu.

signal See cellular signal.

Smart Button The middle key on the side of your phone used to access the Phone Book's name directory, send calls, end calls, enter the menu system, select features, and toggle features ON and OFF.

Speed Dial To use this feature, enter the two-digit location of your number, 01-99, then press and hold Smart Button or press SND and the call is placed.

standby-time The amount of time that your phone is left ON to receive calls.

status indicator See indicator.

sub-menu A secondary level of your phone's menu system hierarchy.

System Identification A five-digit number that identifies your home cellular system. An even number indicates a wireline system and an odd number indicates a non-wireline system. See also system type.

system mode A setting that determines the system type that your cellular phone will access.

system type A designation that indicates one of the two competing cellular carriers in a given geographic area. The non-wireline carrier operates on the "A" block of cellular frequencies, and the wireline carrier operates on the "B" block of cellular frequencies.

T

talk-time The amount of time that you spend talking on the phone.

toggle To switch between two possible options; for example: ON vs. OFF.

Turbo Dial™ function To use this feature, press and hold a number on the keypad, 1 through 9 WXYZ and your call is placed.

V

VoiceNote™ Recorder A feature which allows you to record incoming messages, voice memos or entire calls.

VOX See Voice Operated Transmission.

VibraCall™ function Motorola's silent vibration mode that discreetly alerts you to incoming calls.

Voice Operated Transmission A battery-saving feature that lets your phone reduce its power usage when you are not talking during a call. Not all cellular systems support this feature.

volume keys Located on the side of your phone, the upper and lower volume keys are used to adjust ringer and keypad volume. They also scroll within the menu system and the name directory.

W

wireline See system type.

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4327319
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